



# 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: FAI 90/94 at I-290 from Roosevelt Rd to Lake St Office Phone Number, if available: \_\_\_\_\_

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

I-90/94 between Grand Avenue and 14th Street (ISGS Site No. 2615V2-1)

City: Chicago State: IL Zip Code: \_\_\_\_\_

County: Cook Township: \_\_\_\_\_

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

Latitude: 41.87581 Longitude: - 87.64523  
(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.): 44,969

### 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 ROW-1 through ROW-9, ROW-11, ROW-12, ROW-14 through ROW-22, ROW-25, ROW-26, ROW-28, ROW-31 through ROW-37, ROW-39, ROW-41, ROW-42, ROW-44 through ROW-54, ROW-57, ROW-58, ROW-61 through ROW-65, ROW-68 through ROW-73, ROW-75, ROW-76, ROW-79, ROW-81, ROW-83 through ROW-91, and ROW-93 through ROW-107.

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: 500-190912-1, 500-170913-1, 500-170985-1, 500-170986-1, 500-171160-1, 500-171265-1, 500-171274-1, 500-171327-1, 500-1717328-1, 500-171385-1, 500-171386-1, 500-171471-1, 500-171473-1, 500-171475-1, 500-171579-1, 500-171581-1, 500-171647-1, 500-1717-724-1, and 500-171848-1. SEE FIGURES 4-1 to 4-7.

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

I, Margaret Doheny-Skubic, 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.

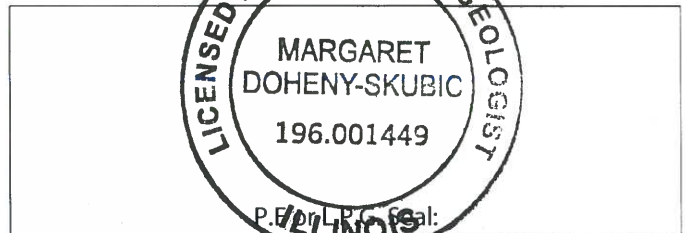
***Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))***

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

Margaret Doheny-Skubic, P.G.  
Printed Name:

\_\_\_\_\_  
Licensed Professional Engineer or  
Licensed Professional Geologist Signature:

1/22/2020  
Date:





**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-9	ROW-9	ROW-9	ROW-9	ROW-9	ROW-9	ROW-9	ROW-11	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/15/2019	10/15/2019	10/15/2019	10/15/2019	10/15/2019	10/15/2019	10/15/2019	10/1/2019	
Sampled Interval	5 - 10	10 - 15	10 - 15	15 - 20	26 - 34	34 - 42	42 - 50	4 - 10	
Field Sample ID	ROW-9(5-10)-101519	ROW-9(10-15)-101519D	ROW-9(10-15)-101519	ROW-9(15-20)-101519	ROW-9(26-34)-101519	ROW-9(34-42)-101519	ROW-9(42-50)-101519	ROW-12(4-10)-100119	
Lab Sample ID	500-171848-7	500-171848-9	500-171848-8	500-171848-10	500-171848-11	500-171848-12	500-171848-13	500-170985-12	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	8	7.9	8	8.2	7.9	7.9	7.9	7.9	<6.25, >9.0
<b>VOCs (mg/kg)</b>									
Acetone	ND	0.018 J	0.03	ND	0.026	0.019	ND	ND	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>									
2-Methylnaphthalene	ND	ND	ND	ND	0.064 J	0.074 J	0.1 B	0.02 J	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	570
Acenaphthylene	0.036 J	ND	ND	ND	ND	ND	ND	ND	---
Anthracene	0.057 B	ND	ND	ND	ND	ND	ND	ND	12000
Benzo(a)anthracene	0.23 B	ND	ND	ND	ND	ND	ND	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.26 B	ND	ND	ND	ND	ND	ND	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.32 B	ND	ND	ND	ND	ND	ND	0.013 J	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.1	ND	ND	ND	0.018 J	ND	ND	ND	---
Benzo(k)fluoranthene	0.11	ND	ND	ND	ND	ND	ND	ND	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	46
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	0.23	0.029 J	ND	0.05	0.034 J	0.044	0.03 J	0.019 J	88.0001
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	0.3 B	ND	ND	ND	ND	ND	ND	ND	3100
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	560
Indeno(1,2,3-cd)pyrene	0.11	ND	ND	ND	ND	ND	ND	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	ND	ND	ND	ND	ND	ND	ND	ND	1.8
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	1
Phenanthrene	0.15 B	0.098 B	0.078 B	0.16 B	0.13 B	0.17 B	0.12 B	0.092	---
Pyrene	0.45 B	ND	ND	0.04 J	ND	0.04 B	ND	ND	2300
<b>Total Metals (mg/kg)</b>									
Antimony, Total	0.59 J	0.5 J	0.71 J	0.62 J	0.8 J	0.73 J	0.94 J	0.6 J	5
Arsenic, Total	4	5.4	6.6	7.9	6.8	8	10	6.4	11.3 / 13
Barium, Total	31	45	60	40	34	38	37	46	1500
Beryllium, Total	0.31	1	0.93	0.94	0.69	0.77	0.76	0.85	22
Cadmium, Total	0.28 J	ND	ND	ND	ND	ND	ND	ND	5.2
Calcium, Total	100000 B	21000 J	36000 J	32000 B	80000 B	60000 B	58000 B	20000 B	---
Chromium, Total	6.6	22	21	19	15	16	16	20	21
Cobalt, Total	4.8	17	20	17	12	15	14	15	20
Copper, Total	23	30	32	32	26	31	30	32 B	2900
Iron, Total	11000	23000	24000	22000	19000	21000	21000	19000 B	15000 / 15900
Lead, Total	66	15	16	16	12	15	15	14	107
Magnesium, Total	48000	14000	19000	17000	28000	21000	22000	14000 B	325000
Manganese, Total	430	270	330	300	320	340	340	240	630 / 636
Mercury, Total	0.18	0.021	0.023	0.021	0.022	0.022	ND	0.016 J	0.89
Nickel, Total	10	47	44	45	32	37	36	43	100
Potassium, Total	890	4300	3900	3800	2800	3300	2800	4300	---
Selenium, Total	0.61 J	ND	ND	0.68 J	0.6 ND	0.67 J	ND	0.81	1.3
Silver, Total	1.4	3.1	3.3	2.7	2.2	2.5	2.3	2.8	4.4
Sodium, Total	360	280	390	220	180	200	200	1100	---
Thallium, Total	ND	1.2	1.2	1.1	0.72	1.2	0.96	1.2	2.6
Vanadium, Total	11	25	25	22	19	21	20	23	550
Zinc, Total	79	57	57	50	45	58	52	46	5100
<b>TCLP Metals (mg/l)</b>									
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.17 J	0.54	0.44 J	0.67	0.61	0.57	0.61	0.48 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	0.044	ND	0.029	0.017 J	0.014 J	0.014 J	0.026	1
Copper, TCLP	ND	ND	ND	0.013 J	ND	ND	ND	0.015 J	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.88	2.4	2.2	2.3	1.8	1.9	1.9	2.3	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	0.062	0.012 J	0.069	0.048	0.04	0.039	0.057	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.17 J	ND	ND	ND	ND	ND	ND	0.027 J	5
<b>SPLP Metals (mg/l)</b>									
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	ND	ND	ND	ND	0.053 J	0.071 J	0.12 J	0.16 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	0.005 J	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.012 J <sup>A</sup>	ND	ND	ND	ND	0.013 J <sup>A</sup>	0.025	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	0.012 J	ND	ND	ND	ND	ND	0.012 J	0.022 J	0.65
Iron, SPLP	7	1.2	0.31 J	0.25 J	3	6	15	0.98	5
Lead, SPLP	0.024	ND	ND	ND	ND	ND	0.01	ND	0.0075
Manganese, SPLP	0.048	0.021 J	0.014 J <sup>A</sup>	0.036	0.035	0.063	0.15	0.055	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	ND	ND	ND	0.022 J	ND	0.1
Selenium, SPLP	0.05 J	ND	ND	0.05 J	ND	0.05 J	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.052 J <sup>A</sup>	ND	ND	ND	0.02 J <sup>A</sup>	0.028 J <sup>A</sup>	0.045 J <sup>A</sup>	0.17 J	5

**Notes:**

- - not applicable or value not available.
- <sup>A</sup> - 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.
- J - Estimated concentration.
- F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.
- F2 - MS/MSD Relative Percent Difference (RPD) exceeds control limits.
- ND - Constituent not detected above the reporting limit.
- <sup>A</sup> - Instrument related Quality Control (QC) is outside acceptance limits.

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

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-12	ROW-12	ROW-14	ROW-14	ROW-15	ROW-15	ROW-16	ROW-16	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/1/2019	10/1/2019	10/8/2019	10/8/2019	10/14/2019	10/14/2019	10/14/2019	10/14/2019	
Sampled Interval	10 - 15	4 - 10	10 - 15	4 - 10	10 - 15	4 - 10	10 - 15	4 - 10	
Field Sample ID	ROW-12(10-15)-100119	ROW-13(4-10)-100119	ROW-14(10-15)-100819	ROW-15(4-10)-101419	ROW-15(10-15)-101419	ROW-16(4-10)-101419	ROW-16(10-15)-101419	ROW-17(4-10)-100119	
Lab Sample ID	500-170985-13	500-170985-14	500-171471-1	500-171471-2	500-171724-6	500-171724-7	500-171724-4	500-171724-5	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	7.9	8	8	8.9	7.7	7.7	7.5	7.7	<6.25, >9.0
<b>VOCs (mg/kg)</b>									
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>									
2-Methylnaphthalene	0.047 J	0.011 J	0.019 J	0.033 J	0.045 J	0.04 J	ND	0.047 J	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	ND	ND	0.015 J	0.014 J	0.018 J	0.022 J	ND	ND	570
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	---
Anthracene	ND	ND	ND	ND	0.014 J	0.016 J	ND	ND	12000
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	ND	ND	ND	0.014 J	ND	ND	ND	ND	---
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	46
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	0.038 J	ND	0.033 J	0.028 J	0.031 J	0.034 J	0.026 J	0.018 J	88.00001
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	ND	ND	ND	ND	0.018 J	0.026 J	0.019 J	0.023 J	3100
Fluorene	ND	ND	ND	0.0093 J	ND	ND	ND	ND	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 0.9 / 1.6
Naphthalene, SVO	ND	ND	0.011 J	0.013 J	0.014 J	0.013 J	ND	ND	1.8
N-Nitrosodiphenylamine	ND	ND	0.049 J	ND	ND	ND	ND	ND	1
Phenanthrene	0.17	0.045	0.14	0.12	0.13	0.17	0.12	0.16	---
Pyrene	0.041 J	ND	0.025 J	0.023 J	ND	ND	0.02 J	0.031 J	2300
<b>Total Metals (mg/kg)</b>									
Antimony, Total	0.39 J	0.68 J	ND	ND	0.46 J	0.31 J	ND	0.4 J	5
Arsenic, Total	7.5	7.8	6.5	7.2	7.9	7.8	5.5	7.4	11.3 / 13
Barium, Total	44	50	32	34	39	31	34	41	1500
Beryllium, Total	0.8	0.8	0.68	0.68	0.65	0.66	0.56	0.69	22
Cadmium, Total	ND	0.13 J	0.13 J	0.19 J	ND	ND	ND	ND	5.2
Calcium, Total	27000 B	36000 B	58000 B	70000 B	57000 B	52000 B	64000 B	58000 B	---
Chromium, Total	21	21	15	14	16	14	13	16	21
Cobalt, Total	16	15	13	12	14	14	9.8	14	20
Copper, Total	36 B	34 B	30	29	27	31	25	32	2900
Iron, Total	20000 B	20000 B	18000	18000	20000	19000	16000	20000	15000 / 15900
Lead, Total	15	15	13	13	14	14	9.7	14	107
Magnesium, Total	18000 B	23000 B	24000	30000	25000	24000	28000	23000	325000
Manganese, Total	260	330	370	330	340	330	300	320	630 / 636
Mercury, Total	0.017 J	0.014 J	0.025	0.022	0.021	0.021	0.018	0.02	0.89
Nickel, Total	44	40	33	32	35	34	24	34	100
Potassium, Total	4500	4900	3600	3500	2900	2600	2700	3000	---
Selenium, Total	0.85	0.93	0.46 J	0.63	0.82 J	0.85 J	0.75 J	0.97 J	1.3
Silver, Total	2.9	2.9	2.4	2.3	2.6	2.3	2.1	2.7	4.4
Sodium, Total	1200	290	500	230	220	330	270	200	---
Thallium, Total	1.3	0.99	0.72	0.62	0.76	0.85	0.69	0.71	2.6
Vanadium, Total	24	25	19	19	19	17	15	19	550
Zinc, Total	47	130	43	45	57	51	43	58	5100
<b>TCLP Metals (mg/l)</b>									
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.57	0.65	0.44 J	0.46 J	0.64	0.56	0.6	0.66	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.021 J	0.018 J	0.011 J	ND	0.011 J	0.013 J	0.012 J	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.8	2.1	1.3	1.3	1.6	1.5	1.5	1.6	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.052	0.047	0.032	0.032	0.033	0.035	0.039	0.029	0.1
Selenium, TCLP	ND	ND	0.02 J	0.024 J	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	0.039 J	ND	ND	ND	ND	ND	ND	5
<b>SPLP Metals (mg/l)</b>									
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	ND	0.062 J	ND	ND	0.056 J	ND	ND	0.078 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	0.005 J	0.005 J	0.005 J	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, SPLP	0.36 J	3.7	ND	ND	2.2	0.89	0.67	4.5	5
Lead, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, SPLP	0.031	0.05	ND	ND	0.031	0.019 J	0.014 J	0.051	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05 J	0.05 J	0.05 J	0.05 J	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	0.044 J	ND	0.027 JB	0.056 J	0.02 J	ND	ND	5

**Notes:**

--- - not applicable or value not available.

<sup>A</sup> - 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.

J - Estimated concentration.

F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.

F2 - MS/MSD Relative Percent Difference (RPD) exceeds control limits.

ND - Constituent not detected above the reporting limit.

<sup>^</sup> - Instrument related Quality Control (QC) is outside acceptance limits.

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

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-17	ROW-17	ROW-18	ROW-18	ROW-18	ROW-19	ROW-19	ROW-20	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/1/2019	10/1/2019	10/8/2019	10/8/2019	10/8/2019	10/8/2019	10/8/2019	10/9/2019	
Sampled Interval	10 - 15	0 - 4	4 - 10	10 - 15	4 - 10	10 - 15	0 - 7	10 - 15	
Field Sample ID	ROW-17(10-15)-100119	ROW-18(3-4)-100819	ROW-18(4-10)-100819	ROW-18(10-15)-100819	ROW-19(4-10)-100819	ROW-19(10-15)-100819	ROW-2(3-5)-093019	ROW-20(10-15)-100919	
Lab Sample ID	500-170985-18	500-170985-19	500-171471-3	500-171471-4	500-171471-5	500-171471-6	500-171471-7	500-171471-8	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	7.8	7.7	8.7	8.1	8.4	8.2	8.7	8.1	<6.25, >9.0
<b>VOCs (mg/kg)</b>									
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>									
2-Methylnaphthalene	0.038 J	0.027 J	0.025 J	0.026 J	0.02 J	0.07 J	0.056 J	0.035 J	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	0.0089 J	0.013 J	0.015 J	0.016 J	0.014 J	570
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	---
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	12000
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	ND	ND	ND	0.015 J	0.014 J	0.016 J	ND	ND	---
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	46
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	0.026 J	ND	ND	0.021 J	0.03 J	0.033 J	0.03 J	0.028 J	88,00001
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	3100
Fluorene	ND	ND	ND	0.006 J	0.0071 J	0.011 J	0.011 J	ND	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	ND	ND	ND	0.01 J	0.011 J	0.018 J	ND	ND	1.8
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	0.065 J	ND	ND	1
Phenanthrene	0.11	0.061	0.062	0.1	0.12	0.14	0.13	0.14	---
Pyrene	0.026 J	ND	0.011 J	0.017 J	0.023 J	0.026 J	0.026 J	0.022 J	2300
<b>Total Metals (mg/kg)</b>									
Antimony, Total	0.56 J	0.53 J	ND	ND	ND	ND	ND	ND	5
Arsenic, Total	9.1	8.7	7.7	7.8	9	9.5	8.7	7.8	11.3 / 13
Barium, Total	36	40	38	38	27	34	39	35	1500
Beryllium, Total	0.61	0.65	0.68	0.78	0.67	0.82	0.79	0.8	22
Cadmium, Total	ND	ND	0.15 J	0.17 J	0.15 J	0.16 J	0.18 J	0.12 J	5.2
Calcium, Total	58000 B	64000 B	74000 B	54000 B	51000 B	44000 B	51000 B	48000 B	---
Chromium, Total	16	17	14	17	14	18	17	17	21
Cobalt, Total	14	13	13	14	15	17	14	15	20
Copper, Total	36 B	37 B	28	30	37	38	30	35	2900
Iron, Total	19000 B	19000 B	18000	20000	20000	23000	24000	20000	15000 / 15900
Lead, Total	16	15	16	14	18	16	14	15	107
Magnesium, Total	23000 B	27000 B	33000	23000	23000	20000	22000	20000	325000
Manganese, Total	320	330	280	340	360	300	320	330	630 / 636
Mercury, Total	0.015 J	0.013 J	0.022	0.023	0.023	0.026	0.024	0.023	0.89
Nickel, Total	37	35	32	35	39	43	35	38	100
Potassium, Total	3200	3500	3400	4000	3100	3700	3600	3700	---
Selenium, Total	0.83	0.64	ND	ND	0.65	0.4 J	0.38 J	0.42 J	1.3
Silver, Total	2.2	2.3	2.2	2.6	2.3	2.6	2.6	2.6	4.4
Sodium, Total	290	250	1700	390	170	500	230	460	---
Thallium, Total	1.1	1	0.79	1	1.2	1.3	0.93	0.99	2.6
Vanadium, Total	18	20	18	22	18	23	22	22	550
Zinc, Total	47	49	45	56	48	54	59	46	5100
<b>TCLP Metals (mg/l)</b>									
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.57	0.56	0.5	0.53	0.41 J	0.5	0.51	0.55	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.012 J	0.011 J	0.016 J	0.018 J	0.02 J	0.014 J	0.013 J	0.015 J	1
Copper, TCLP	ND	ND	ND	0.014 J	ND	ND	ND	0.017 J	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.7	1.7	1.6	1.4	1.4	1.5	1.5	1.7	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.038	0.037	0.044	0.046	0.055	0.043	0.036	0.048	0.1
Selenium, TCLP	ND	ND	ND	0.02 J	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.024 J	ND	ND	ND	ND	ND	ND	0.089 J	5
<b>SPLP Metals (mg/l)</b>									
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	ND	0.057 J	0.19 J	ND	ND	ND	ND	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	0.005 J	0.005 J	0.005 J	0.005 J	0.005 J	0.005 J	0.005
Chromium, SPLP	ND	ND	0.055	ND	ND	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	0.018 J	ND	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	0.031	ND	ND	ND	ND	ND	0.65
Iron, SPLP	1.5	4.4	32	0.61	1.3	0.47	0.8	0.56	5
Lead, SPLP	ND	ND	0.01	ND	ND	ND	ND	ND	0.0075
Manganese, SPLP	0.026	0.048	0.3	0.022 J	0.023 J	0.019 J	0.018 J	0.023 J	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	0.046	ND	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	0.023 J	0.75 B	0.15 JB	0.056 JB	0.093 JB	0.023 JB	ND	5

**Notes:**

- not applicable or value not available.
- <sup>A</sup> - 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.
- J - Estimated concentration.
- F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.
- F2 - MS/MSD Relative Percent Differenc (RPD) exceeds control limits.
- ND - Constituent not detected above the reporting limit.
- <sup>^</sup> - Instrument related Quality Control (QC) is outside acceptance limits.
- Shaded values indicate concentration **exceeds** Reference Concentration.

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-20	ROW-21	ROW-21	ROW-21	ROW-21	ROW-22	ROW-22	ROW-22	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/9/2019	10/1/2019	10/1/2019	10/1/2019	10/1/2019	9/29/2019	9/29/2019	9/29/2019	
Sampled Interval	10 - 16	16 - 22	16 - 22	22 - 30	5 - 10	10 - 15	15 - 20	20 - 26	
Field Sample ID	ROW-21(10-16)-100119	ROW-21(16-22)-100119D	ROW-21(16-22)-100119	ROW-21(22-30)-100119	ROW-22(7-10)-092919	ROW-22(10-15)-092919	ROW-22(15-20)-092919	ROW-22(20-26)-092919	
Lab Sample ID	500-171471-9	500-170985-20	500-170986-2	500-170986-1	500-170986-3	500-170912-1	500-170912-2	500-170912-3	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	8.3	7.7	8	8	8	8.5	8.3	8.3	<6.25, >9.0
<b>VOCs (mg/kg)</b>									
Acetone	0.0086 J	ND	ND	ND	ND	ND	ND	ND	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>									
2-Methylnaphthalene	0.054 J	0.035 J	0.024 J	0.037 J	0.014 J	ND	0.065 J	0.053 J	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	0.013 J	ND	ND	ND	ND	ND	0.025 J	0.027 J	570
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	---
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	12000
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	0.04 J	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.017 J	ND	ND	0.022 J	ND	ND	0.023 J	0.022 J	---
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	46
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	0.024 J	0.013 J	ND	0.03 J	0.012 J	ND	ND	ND	88.00001
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	ND	ND	ND	ND	ND	ND	0.02 J	0.02 J	3100
Fluorene	ND	ND	ND	ND	ND	ND	ND	0.013 J	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.011 J	ND	ND	ND	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	0.017 J	ND	ND	ND	ND	ND	0.016 J	ND	1.8
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	1
Phenanthrene	0.099	0.076	0.058	0.12	0.053	ND	0.15	0.16	---
Pyrene	0.022 J	ND	0.013 J	ND	ND	ND	0.029 J	0.03 J	2300
<b>Total Metals (mg/kg)</b>									
Antimony, Total	ND	0.49 J	0.42 J	0.57 J	0.41 J	0.57 J	0.64 J	0.41 J	5
Arsenic, Total	9.1	8.2	8	9.3 J	8	0.82	8.3	9	11.3 / 13
Barium, Total	39	40	36	40	39	1.8	43	41	1500
Beryllium, Total	0.82	0.66	0.62	0.63	0.64	0.068 J	0.81	0.72	22
Cadmium, Total	0.13 J	ND	ND	ND	ND	ND	0.24	0.18	5.2
Calcium, Total	44000 B	58000 B	55000 B	59000 J	51000 B	220000	56000	58000	---
Chromium, Total	18	17	17 ^	17 ^	17 ^	1	18	18	21
Cobalt, Total	17	13	13	14	13	0.69	13	13	20
Copper, Total	37	31 B	32 B	32 J	30 B	0.89 J	30 B	35 B	2900
Iron, Total	23000	19000 B	19000	24000	20000	1400	20000	21000	15000 / 15900
Lead, Total	16	14	14	20 J	14	1.4	15	14	107
Magnesium, Total	19000	23000 B	23000	25000	22000	140000 B	24000 B	25000 B	325000
Manganese, Total	310	310	330	340 J	310	100	320	340	630 / 636
Mercury, Total	0.026	0.014 J	0.017 J	0.018 J	0.016 J	ND	0.018 J	0.018	0.89
Nickel, Total	43	35	34	35	35	1.8	36	34	100
Potassium, Total	3800	3400	2700	2800	3000	430	4200	3700	---
Selenium, Total	0.56 J	0.86	0.7	0.91 J	0.84	ND	ND	ND	1.3
Silver, Total	2.7	2.4	2.3	2.3 J	2.4	0.3	2.4	2.1	4.4
Sodium, Total	220	300	190	190	200	1100	610	220	---
Thallium, Total	1.4	0.96	1.1	1.1 J	1	ND	1.9	2	2.6
Vanadium, Total	22	20	19	20	21	1	24	22	550
Zinc, Total	54	49	62	49 J	56	1.4 J	48 B	49 B	5100
<b>TCLP Metals (mg/l)</b>									
Arsenic, TCLP	ND	0.01 J	0.011 J	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.63	0.6	0.54	0.63	0.53	ND	0.59	0.54	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.013 J	0.011 J	ND	ND	ND	ND	0.011 J	0.01 J	1
Copper, TCLP	0.012 J	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	0.34 J	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.7	1.6	1.7	1.8	1.8	0.25	1.6	1.7	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.046	0.038	0.029	0.029	0.026	ND	0.035	0.032	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.021 J	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.075 J	0.027 J	0.023 J	0.029 J	0.02 J	ND	ND	ND	5
<b>SPLP Metals (mg/l)</b>									
Arsenic, SPLP	ND	ND	ND	0.05 J	ND	ND	ND	ND	0.05
Barium, SPLP	ND	ND	ND	0.051 J	0.073 J	ND	0.066 J	0.05 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	0.005 J	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	ND	ND	0.015 J	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	ND	0.025 J	ND	0.025 J	ND	ND	0.65
Iron, SPLP	1.5	0.8	1.9	3.2	7.9	ND	2.6	1.8	5
Lead, SPLP	ND	ND	ND	0.0075 J	ND	ND	ND	ND	0.0075
Manganese, SPLP	0.022 J	0.019 J	0.032	0.04 J	0.082	ND	0.031	0.023 J	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	ND	0.012 J	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	0.05 J	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	0.025 J	ND	ND	ND	ND	0.05
Zinc, SPLP	0.043 JB	ND	ND	0.5 J	0.024 J	0.5 J	ND	ND	5

**Notes:**

- - not applicable or value not available.
- <sup>A</sup> - 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.
- J - Estimated concentration.
- F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.
- F2 - MS/MSD Relative Percent Difference (RPD) exceeds control limits.
- ND - Constituent not detected above the reporting limit.
- <sup>^</sup> - Instrument related Quality Control (QC) is outside acceptance limits.
- Shaded values indicate concentration **exceeds** Reference Concentration.

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-22	ROW-22	ROW-22	ROW-25	ROW-25	ROW-26	ROW-26	ROW-26	Soil Reference Concentrations <sup>A</sup>
Sample Date	9/29/2019	9/29/2019	9/29/2019	10/9/2019	10/9/2019	10/8/2019	10/8/2019	10/8/2019	
Sampled Interval	26 - 32	32 - 40	4 - 10	10 - 15	0 - 4	4 - 10	10 - 15	0 - 4	
Field Sample ID	ROW-22(26-32)-092919	ROW-22(32-40)-092919	ROW-23(4-10)-100919	ROW-25(10-15)-100919	ROW-26(2-4)-100819	ROW-26(4-10)-100819	ROW-26(10-15)-100819	ROW-27(2-4)-100819	
Lab Sample ID	500-170912-4	500-170912-5	500-170912-6	500-171471-15	500-171471-16	500-171471-17	500-171471-18	500-171471-19	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	8.4	8.3	8.3	8	8.2	8.2	7.9	8	<6.25, >9.0
<b>VOCs (mg/kg)</b>									
Acetone	ND	ND	0.0094 J	ND	0.017 ND	ND	ND	ND	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	0.00049 J	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>									
2-Methylnaphthalene	0.043 J	0.056 J	0.044 J	0.044 J	0.042 J	0.011 J	0.089	0.022 J	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	0.03 J	0.021 J	0.02 J	ND	ND	ND	0.023 J	ND	570
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	---
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	12000
Benzo(a)anthracene	ND	ND	0.036 J	ND	ND	ND	ND	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	ND	ND	ND	ND	0.046	ND	ND	0.048	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	ND	0.02 J	0.015 J	ND	ND	ND	ND	ND	---
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	46
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	ND	ND	ND	0.024 J	0.018 J	0.022 J	0.029 J	ND	88.00001
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	---
Diethylphthalate	ND	ND	ND	ND	ND	0.081 J	0.071 J	ND	470
Fluoranthene	0.023 J	ND	0.02 J	ND	0.015 J	ND	ND	ND	3100
Fluorene	0.016 J	0.016 J	ND	0.0091 J	ND	ND	ND	ND	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	ND	ND	ND	0.011 J	0.0099 J	ND	0.019 J	0.0064 J	1.8
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	1
Phenanthrene	0.17	0.15	0.13	0.11	0.095	0.096	0.17	0.06	---
Pyrene	0.033 J	0.031 J	ND	ND	0.017 J	0.0093 J	ND	ND	2300
<b>Total Metals (mg/kg)</b>									
Antimony, Total	0.59 J	0.75 J	0.85 J	ND	ND	ND	ND	ND	5
Arsenic, Total	8.8	7.6	7.7	7.7	6.2	7.1	7.4	7.2	11.3 / 13
Barium, Total	38	44	50	41	43	43	20	36	1500
Beryllium, Total	0.77	0.74	0.81	0.77	0.77	1	0.59	0.76	22
Cadmium, Total	0.25	0.21	0.2	0.12 J	0.13 J	ND	0.17 J	0.14 J	5.2
Calcium, Total	72000	61000	53000	57000 B	55000 B	26000 B	58000 B	54000 B	---
Chromium, Total	17	18	19	17	17	21	12	16	21
Cobalt, Total	13	12	13	14	13	18	14	14	20
Copper, Total	32 B	30 B	32 B	28	24	33	37	28	2900
Iron, Total	19000	18000	19000	20000	20000	22000	19000	20000	15000 / 15900
Lead, Total	15	13	14	13	12	16	15	14	107
Magnesium, Total	34000 B	26000 B	23000 B	23000	22000	16000	25000	23000	325000
Manganese, Total	400	360	340	350	330	270	500	370	630 / 636
Mercury, Total	0.019	0.019 J	0.014 J	0.023	0.021	0.023	0.024	0.019	0.89
Nickel, Total	33	32	34	34	33	46	36	35	100
Potassium, Total	4000	3700	4600	3700	3800	4600	2900	3500	---
Selenium, Total	ND	ND	ND	0.46 J	ND	0.49 J	0.69	0.41 J	1.3
Silver, Total	2	2.1	2.3	2.7	2.8	3	2.1	2.6	4.4
Sodium, Total	230	260	250	290	200	1000	210	190	---
Thallium, Total	1.9	1.7	1.9	0.81	0.81	1.4	0.73	0.73	2.6
Vanadium, Total	22	20	22	22	22	25	16	21	550
Zinc, Total	55 B	56 B	51 B	52	50	53	61	52	5100
<b>TCLP Metals (mg/l)</b>									
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.57	0.56	0.6	0.63	0.64	0.47 J	0.42 J	0.63	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.011 J	0.01 J	ND	0.016 J	0.014 J	0.048	0.02 J	0.014 J	1
Copper, TCLP	ND	ND	ND	ND	ND	0.01 J	0.014 J	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.7	1.7	1.8	1.8	1.7	2.6	1.7	1.7	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.032	0.032	0.029	0.047	0.045	0.074	0.05	0.045	0.1
Selenium, TCLP	0.02 J	ND	ND	0.023 J	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	ND	0.057 J	ND	0.046 J	5
<b>SPLP Metals (mg/l)</b>									
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.059 J	0.058 J	0.081 J	0.057 J	0.05 J	0.078 J	ND	0.053 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	0.005 J	0.005 J	ND	0.005 J	0.005 J	0.005
Chromium, SPLP	ND	ND	0.012 J	ND	ND	0.013 J	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	ND	ND	ND	0.011 J	ND	ND	0.65
Iron, SPLP	2.9	2.3	5.5	ND	0.27 J	6.6	ND	ND	5
Lead, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, SPLP	0.035	0.027	0.057	0.033	0.019 J	0.062	0.013 J	0.026	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	ND	ND	0.012 J	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.064 J	ND	ND	0.044 JB	0.021 JB	0.11 JB	0.063 JB	0.029 JB	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.  
 J - Estimated concentration.  
 F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.  
 F2 - MS/MSD Relative Percent Difference (RPD) exceeds control limits.  
 ND - Constituent not detected above the reporting limit.  
 ^ - Instrument related Quality Control (QC) is outside acceptance limits.  
 Shaded values indicate concentration **exceeds** Reference Concentration.



**Summary Table of ISGS Site No. 2615V2-1  
Comparison of Detected Constituents to Applicable Reference Concentrations  
Soil Analytical Results  
Illinois Department of Transportation  
FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street  
Chicago, Cook County, Illinois**

Location	ROW-27	ROW-28	ROW-28	ROW-31	ROW-31	ROW-32	ROW-32	ROW-32	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/8/2019	10/9/2019	10/9/2019	9/30/2019	9/30/2019	9/30/2019	9/30/2019	9/30/2019	
Sampled Interval	4 - 10	10 - 15	4 - 10	10 - 15	4 - 10	10 - 15	10 - 15	0 - 4	
Field Sample ID	ROW-27(4-10)-100819	ROW-28(10-15)-100919	ROW-29(8-10)-100919	ROW-31(10-12)-093019	ROW-32(4-10)-093019	ROW-32(10-15)-093019D	ROW-32(10-15)-093019	ROW-33(0-4)-092919	
Lab Sample ID	500-171471-20	500-171473-6	500-171473-7	500-170912-7	500-170912-8	500-170912-9	500-170912-11	500-170912-10	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	8.6	8	8.1	8.5	8.2	8.1	7.9	8.1	<6.25, >9.0
<b>VOCs (mg/kg)</b>									
Acetone	ND	ND	0.011 J	ND	0.0079 J	ND	ND	0.0074 J	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>									
2-Methylnaphthalene	0.016 J	0.051 J	0.048 J	0.041 J	0.048 J	0.039 J	0.071 J	0.051 J	---
4-Chlorophenyl-phenylether	0.079 J	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	0.018 J	0.011 J	ND	0.025 J	ND	0.016 J	0.022 J	0.012 J	570
Acenaphthylene	0.011 J	ND	ND	ND	ND	ND	ND	ND	---
Anthracene	0.011 J	ND	ND	ND	ND	ND	ND	ND	12000
Benzo(a)anthracene	0.08	ND	ND	0.034 J	ND	0.027 J	0.032 J	0.023 J	0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.073	ND	ND	ND	ND	ND	ND	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.11	ND	ND	ND	ND	ND	ND	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	ND	ND	ND	0.015 J	ND	ND	0.016 J	ND	---
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	46
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	0.13	0.026 J	0.039	ND	0.033 J	ND	ND	ND	88.00001
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	---
Diethylphthalate	0.074 J	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	0.28	ND	ND	0.017 J	0.018 J	ND	ND	ND	3100
Fluorene	0.0087 J	0.0071 J	0.0099 J	ND	0.014 J	0.0087 J	0.013 J	ND	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	0.0073 J	0.016 J	0.014 J	ND	ND	ND	ND	ND	1.8
N-Nitrosodiphenylamine	ND	ND	0.21	ND	ND	ND	ND	ND	1
Phenanthrene	0.13	0.12	0.19	0.16	0.16	0.1	0.13	0.092	---
Pyrene	0.11	0.015 J	ND	0.028 J	0.028 J	ND	0.027 J	ND	2300
<b>Total Metals (mg/kg)</b>									
Antimony, Total	ND	ND	ND	0.58 J	0.68 J	0.79 J	0.48 J	0.75 J	5
Arsenic, Total	5.4 J	8.7	8.7	7.8	7.7	8	7	8	11.3 / 13
Barium, Total	41	40	33	37	41	47	43	46	1500
Beryllium, Total	0.91	0.95	0.76	0.67	0.73	0.78	0.73	0.68	22
Cadmium, Total	0.14 J	0.13	0.17	0.34	0.19	0.23	0.17	0.21	5.2
Calcium, Total	28000 J	33000 B	41000 B	60000	56000	53000	78000	55000	---
Chromium, Total	19	19	16	15	17	18	16	17	21
Cobalt, Total	14	16	15	12	12	13	11	13	20
Copper, Total	32	36	39	32 B	32 B	33 B	26 B	32 B	2900
Iron, Total	20000	22000 B	20000 B	18000	18000	19000	17000	19000	15000 / 15900
Lead, Total	20 J	16	15	15	14	14	13	14	107
Magnesium, Total	17000 J	18000 B	17000 B	25000 B	24000 B	22000 B	32000 B	23000 B	325000
Manganese, Total	280 F2	290	260	450	360	330	510	330	630 / 636
Mercury, Total	0.027	0.019	0.022	0.016 J	0.013 J	0.015 J	0.014 J	0.014 J	0.89
Nickel, Total	40	42	39	31	32	34	29	34	100
Potassium, Total	4100	4500	3500	3400	4100	4300	4100	3400	---
Selenium, Total	ND	1 J	0.83 J	0.43 J	0.42 J	ND	ND	ND	1.3
Silver, Total	3.1	2.9	2.5	1.9	2.1	2.4	2.2	2.2	4.4
Sodium, Total	930 J	880	200	260	500	440	230	210	---
Thallium, Total	1.2 J	1.2	1.4	1.6	1.8	2.1	1.6	2.1	2.6
Vanadium, Total	24	25	21	18	20	22	20	19	550
Zinc, Total	58	47	41	60 B	54 B	51 B	44 B	53 B	5100
<b>TCLP Metals (mg/l)</b>									
Arsenic, TCLP	ND	ND	ND	0.013 J	ND	ND	ND	ND	0.05
Barium, TCLP	0.58	0.59	0.48 J	0.59	0.58	0.67	0.64	0.69	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.025	0.021 J	0.016 J	0.017 J	0.016 J	0.019 J	0.013 J	0.014 J	1
Copper, TCLP	0.012 J	0.01 J	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	2.4	1.7	1.3	1.8	1.8	1.9	1.7	1.8	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.045	0.073	0.046	0.047	0.047	0.055	0.042	0.047	0.1
Selenium, TCLP	0.024 J	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	0.021 J	ND	ND	ND	ND	ND	ND	5
<b>SPLP Metals (mg/l)</b>									
Arsenic, SPLP	0.03 J	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.36 J	0.06 J	ND	ND	ND	0.061 J	ND	0.055 J	2
Beryllium, SPLP	0.006	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	0.005 J	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.13	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, SPLP	0.06	ND	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	0.17	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, SPLP	89	1.6	ND	ND	0.26 J	1.4	0.26 J	ND	5
Lead, SPLP	0.095 J	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, SPLP	0.77	0.041	0.027	0.024 J	0.022 J	0.038	0.024 J	0.022 J	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.15	ND	ND	ND	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	0.05 J	0.05 J	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.21 JB	0.042 J	0.028 J	ND	ND	ND	ND	ND	5

**Notes:**

- not applicable or value not available.
- <sup>A</sup> - 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.
- J - Estimated concentration.
- F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.
- F2 - MS/MSD Relative Percent Difference (RPD) exceeds control limits.
- ND - Constituent not detected above the reporting limit.
- <sup>^</sup> - Instrument related Quality Control (QC) is outside acceptance limits.
- Shaded values indicate concentration **exceeds** Reference Concentration.

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-33	ROW-33	ROW-33	ROW-33	ROW-33	ROW-34	ROW-34	ROW-34	Soil Reference Concentrations <sup>A</sup>
Sample Date	9/29/2019	9/29/2019	9/29/2019	9/29/2019	9/29/2019	9/30/2019	9/30/2019	9/30/2019	
Sampled Interval	4 - 10	10 - 16	16 - 22	22 - 30	0 - 4	4 - 10	10 - 15	15 - 20	
Field Sample ID	ROW-33(4-10)-092919	ROW-33(10-16)-092919	ROW-33(16-22)-092919	ROW-33(22-30)-092919	ROW-34(0-4)-093019	ROW-34(4-10)-093019	ROW-34(10-15)-093019	ROW-34(15-20)-093019	
Lab Sample ID	500-170912-12	500-170912-13	500-170912-14	500-170912-15	500-170912-16	500-170913-6	500-170913-7	500-170913-8	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	7.1	7.5	7.6	7.7	7.8	8.6	7.8	7.9	<6.25, >9.0
<b>VOCs (mg/kg)</b>									
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>									
2-Methylnaphthalene	ND	0.019 J	0.066 J	ND	0.059 J	0.017 J	0.076 J	0.028 J	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	0.22	ND	---
Acenaphthene	ND	ND	0.02 J	ND	0.018 J	0.012 J	0.025 J	0.016 J	570
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	---
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	12000
Benzo(a)anthracene	0.034 J	0.046	0.04 J	ND	ND	ND	ND	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	ND	ND	0.021 J	ND	ND	ND	0.019 J	0.014 J	---
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	46
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	ND	ND	ND	0.024 J	0.016 J	0.031 J	0.045	0.029 J	88,00001
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	0.018 J	0.019 J	0.024 J	0.02 J	0.018 J	ND	ND	0.0075 J	3100
Fluorene	ND	ND	ND	ND	0.01 J	0.0064 J	0.012 J	0.0087 J	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	ND	ND	ND	ND	ND	0.0065 J	0.02 J	ND	1.8
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	0.06 J	0.097 J	ND	1
Phenanthrene	0.056	0.12	0.15	0.1	0.13	0.12	0.19	0.13	---
Pyrene	0.031 J	0.046	0.033 J	0.04	ND	0.024 J	0.034 J	0.026 J	2300
<b>Total Metals (mg/kg)</b>									
Antimony, Total	0.54 J	0.58 J	0.49 J	0.5 J	0.62 J	0.61 J	0.55 J	0.64 J	5
Arsenic, Total	11	8.7	8	8.6	8.5	8	8.1	8	11.3 / 13
Barium, Total	48	42	48	44	49	36	38	34	1500
Beryllium, Total	0.84	0.74	0.76	0.8	0.78	0.75	0.76	0.66	22
Cadmium, Total	0.31	0.23	0.21	0.24	0.2	ND	ND	ND	5.2
Calcium, Total	34000	47000	56000	59000	55000	34000 B	32000 B	55000 B	---
Chromium, Total	18	17	18	18	18	18	18	17	21
Cobalt, Total	15	13	12	13	12	17	14	14	20
Copper, Total	42 B	36 B	30 B	34 B	30 B	38	32	33	2900
Iron, Total	20000	18000	18000	18000	18000	19000	19000	20000	15000 / 15900
Lead, Total	16	15	13	14	14	17	16	15	107
Magnesium, Total	23000 B	21000 B	22000 B	22000 B	24000 B	21000	18000	25000	325000
Manganese, Total	310	320	330	310	320	290	290	370	630 / 636
Mercury, Total	0.022	0.017 J	0.015 J	0.019	0.013 J	0.025	0.021	0.021	0.89
Nickel, Total	37	34	32	34	32	42	38	37	100
Potassium, Total	4700	3900	4200	4300	4500	3100	3200	2900	---
Selenium, Total	0.59 J	ND	ND	ND	ND	0.47 J	0.4 J	0.41 J	1.3
Silver, Total	2.7	2.3	2.3	2.1	2.3	2.5	2.5	2.3	4.4
Sodium, Total	990	230	220	290	230	1900	1300	950	---
Thallium, Total	2.1	1.9	2	2	2	1.4	1.1	0.97	2.6
Vanadium, Total	23	20	21	22	22	21	22	20	550
Zinc, Total	55 B	49 B	53 B	48 B	60 B	52	48	47	5100
<b>TCLP Metals (mg/l)</b>									
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.61	0.47 J	0.61	0.17 J	0.53	0.58	0.69	0.58	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.015 J	0.024 J	0.015 J	0.016 J	0.012 J	0.043	0.018 J	0.024 J	1
Copper, TCLP	ND	ND	ND	ND	ND	0.13	0.011 J	0.011 J	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	2.1	2.5	1.7	2	1.7	2.4	2.2	2.1	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	0.041	0.048	0.034	0.036	0.067	0.051	0.05	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	ND	0.051 J	0.044 J	0.021 J	5
<b>SPLP Metals (mg/l)</b>									
Arsenic, SPLP	ND	ND	ND	ND	ND	0.049 J	ND	ND	0.05
Barium, SPLP	0.066 J	ND	ND	ND	ND	0.37 J	0.066 J	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.0068	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.017 J	ND	ND	ND	ND	0.14	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	0.084	ND	ND	1
Copper, SPLP	0.019 J	ND	ND	ND	ND	0.26	ND	ND	0.65
Iron, SPLP	9.6	0.2 J	ND	ND	ND	120	0.39 J	0.68	5
Lead, SPLP	ND	ND	ND	ND	ND	0.12	ND	ND	0.0075
Manganese, SPLP	0.056	0.018 J	0.025	0.043	0.018 J	0.93	0.046	0.028	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.013 J	ND	ND	ND	ND	0.2	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.023 J	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.034 J	ND	ND	ND	ND	0.25 JB	ND	ND	5

**Notes:**

--- - not applicable or value not available.

<sup>A</sup> - 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.

J - Estimated concentration.

F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.

F2 - MS/MSD Relative Percent Differenc (RPD) exceeds control limits.

ND - Constituent not detected above the reporting limit.

<sup>^</sup> - Instrument related Quality Control (QC) is outside acceptance limits.

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

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-34	ROW-34	ROW-34	ROW-35	ROW-35	ROW-35	ROW-35	ROW-35	ROW-36	Soil Reference Concentrations <sup>A</sup>
Sample Date	9/30/2019	9/30/2019	9/30/2019	9/30/2019	9/30/2019	9/30/2019	9/30/2019	9/30/2019	9/30/2019	
Sampled Interval	20 - 28	20 - 28	0 - 4	4 - 10	4 - 10	10 - 15	0 - 4	4 - 10		
Field Sample ID	ROW-34(20-28)-093019D	ROW-34(20-28)-093019	ROW-35(0-4)-093019	ROW-35(4-10)-093019D	ROW-35(4-10)-093019	ROW-35(10-15)-093019	ROW-36(0-4)-093019	ROW-36(4-10)-093019		
Lab Sample ID	500-170913-9	500-170913-11	500-170913-10	500-170912-20	500-170913-2	500-170913-1	500-170913-3	500-170912-17		
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1		
Laboratory pH (s.u.)	8.1	7.9	7.9	8.7	7.9	7.8	7.9	8.2		<6.25, >9.0
<b>VOCs (mg/kg)</b>										
Acetone	ND	ND	ND	ND	ND	ND	0.0085 J	ND		25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND		9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND		---
Methylene chloride	ND	ND	ND	ND	ND	ND	0.0018 J	ND		0.02
Tetrachloroethene	ND	ND	ND	ND	ND	0.0013 J	ND	ND		0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	ND		12
<b>SVOCs (mg/kg)</b>										
2-Methylnaphthalene	0.017 J	0.03 J	0.019 J	0.057 J	0.035 J	0.063 J	0.023 J	0.046 J		---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND		---
Acenaphthene	ND	0.0092 J	ND	0.028 J	0.0091 J	0.015 J	ND	0.023 J		570
Acenaphthylene	ND	ND	ND	ND	ND	0.0064 J	0.01 J	ND		---
Anthracene	ND	ND	ND	ND	ND	ND	0.015 J	ND		12000
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	0.037 J	0.017 J		0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.013 J	0.013 J	ND	0.052	ND	ND	0.051	ND		0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	0.011 J	0.01 J	ND	ND	ND	0.077	ND		0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	ND	ND	ND	0.025 J	ND	ND	0.024 J	0.016 J		---
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	0.026 J	ND		9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	0.08 J	ND	ND	ND	ND		46
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND		0.6
Chrysene	0.02 J	0.017 J	0.012 J	0.038 J	0.016 J	0.024 J	0.046	0.019 J		88.00001
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	0.013 J	ND		0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND		---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND		470
Fluoranthene	ND	ND	ND	0.031 J	ND	ND	0.047	0.016 J		3100
Fluorene	ND	0.0069 J	ND	0.015 J	ND	0.0067 J	ND	ND		560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	0.028 J	ND		0.9 / 0.9 / 1.6
Naphthalene, SVOC	ND	0.0091 J	ND	ND	0.0083 J	0.016 J	0.01 J	0.013 J		1.8
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND		1
Phenanthrene	0.081	0.083	0.05	0.18	0.078	0.12	0.037 J	0.16		---
Pyrene	0.016 J	0.016 J	0.0093 J	0.037 J	0.013 J	0.019 J	0.065	0.025 J		2300
<b>Total Metals (mg/kg)</b>										
Antimony, Total	0.54 J	0.58 J	0.62 J	0.54 J	0.64 J	0.67 J	0.56 J	0.63 J		5
Arsenic, Total	7.4	8.1	7.7	8.5 J	11	8.9	8.1	9.5		11.3 / 13
Barium, Total	38	33	37	29 J	39	37	34	39		1500
Beryllium, Total	0.73	0.67	0.69	0.79 J	0.76	0.74	0.75	0.81		22
Cadmium, Total	ND	ND	0.23 J	0.33 J	ND	ND	ND	0.22		5.2
Calcium, Total	49000 B	69000 B	61000 B	54000 J	32000 B	35000 B	70000 B	46000		---
Chromium, Total	18	16	17	18 J	18	17	18	18		21
Cobalt, Total	14	13	13	13 J	16	15	14	13		20
Copper, Total	31	31	30	38 J	38	34	32	38 B		2900
Iron, Total	19000	19000	19000	18000 F2	21000	20000	18000	18000		15000 / 15900
Lead, Total	14	15	14	18 J	18	16	16	15		107
Magnesium, Total	23000	32000	27000	25000 J	19000	20000	29000	21000 B		325000
Manganese, Total	300	340	340	290 F2	280	300	280	270		630 / 636
Mercury, Total	0.02	0.022	0.026	0.021	0.026	0.026	0.024	0.016 J		0.89
Nickel, Total	37	34	34	34 J	41	41	37	36		100
Potassium, Total	3000	2500	2700	4400 F2	3200	3100	3200	4500		---
Selenium, Total	0.53 J	0.49 J	0.52 J	ND	0.57 ND	0.65	ND	0.33 J		1.3
Silver, Total	2.5	2.1	2.4	2.1 J	2.4	2.4	2.4	2.2		4.4
Sodium, Total	1200	440	400	1900 J	540	600	430	1200		---
Thallium, Total	1.1	0.95	1.1	1.9 J	1.4	1.2	1.2	1.9		2.6
Vanadium, Total	21	19	20	22 J	22	21	21	21		550
Zinc, Total	49	49 J	90 J	65 J	60	51	46	45 B		5100
<b>TCLP Metals (mg/l)</b>										
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND		0.05
Barium, TCLP	0.61	0.61	0.6	0.41 J	0.57	0.61	0.55	0.59		2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND		0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND		0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND		0.1
Cobalt, TCLP	0.029	0.017 J	0.02 J	0.028	0.019 J	0.019 J	0.02 J	0.03		1
Copper, TCLP	ND	ND	0.015 J	0.01 J	0.011 J	0.011 J	0.01 J	0.012 J		0.65
Iron, TCLP	ND	ND	ND	ND	0.26 J	ND	ND	ND		5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND		0.0075
Manganese, TCLP	2.1	1.8	1.8	2.1	1.8	1.7	1.8	1.8		0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND		0.002
Nickel, TCLP	0.052	0.043	0.044	0.062	0.049	0.051	0.049	0.081		0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.022 J		0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND		0.05
Zinc, TCLP	0.05 J	0.11 J	0.022 J	ND	0.025 J	0.027 J	0.021 J	ND		5
<b>SPLP Metals (mg/l)</b>										
Arsenic, SPLP	ND	ND	ND	0.05 J	ND	ND	ND	ND		0.05
Barium, SPLP	0.078 J	ND	ND	0.054 J	0.051 J	0.058 J	0.056 J	0.057 J		2
Beryllium, SPLP	ND	ND	ND	0.004 J	ND	ND	ND	ND		0.004
Cadmium, SPLP	ND	ND	0.005 J	0.005 J	ND	ND	ND	ND		0.005
Chromium, SPLP	0.012 J	ND	ND	0.011 J	ND	ND	ND	ND		0.1
Cobalt, SPLP	ND	ND	ND	0.025 J	ND	ND	ND	ND		1
Copper, SPLP	ND	ND	ND	0.025 J	ND	ND	ND	ND		0.65
Iron, SPLP	5.1	0.21 J	0.21 J	4.7	ND	ND	0.28 J	1		5
Lead, SPLP	ND	ND	ND	0.0075 J	ND	ND	ND	ND		0.0075
Manganese, SPLP	0.061	0.021 J	0.028	0.055	0.035	0.028	0.031	0.023 J		0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND		0.002
Nickel, SPLP	ND	ND	ND	0.025 J	ND	ND	ND	ND		0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND		0.05
Silver, SPLP	ND	ND	ND	0.025 J	ND	ND	ND	ND		0.05
Zinc, SPLP	0.022 JB	0.5 J	0.026 J	0.026 J	ND	0.035 JB	ND	ND		5

**Notes:**

- - not applicable or value not available.
- <sup>A</sup> - 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.
- J - Estimated concentration.
- F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.
- F2 - MS/MSD Relative Percent Differenc (RPD) exceeds control limits.
- ND - Constituent not detected above the reporting limit.
- <sup>^</sup> - Instrument related Quality Control (QC) is outside acceptance limits.
- Shaded values indicate concentration **exceeds** Reference Concentration.

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-36	ROW-36	ROW-37	ROW-37	ROW-39	ROW-39	ROW-41	ROW-42	ROW-42	Soil Reference Concentrations <sup>A</sup>
Sample Date	9/30/2019	9/30/2019	10/10/2019	10/10/2019	10/11/2019	10/11/2019	10/8/2019	10/8/2019	10/8/2019	
Sampled Interval	10 - 15	0 - 4	4 - 10	4 - 10	10 - 15	0 - 4	0 - 4	0 - 4	0 - 4	
Field Sample ID	ROW-36(10-15)-093019	ROW-37(0-4)-101019	W-37(4-10)-101019	W-39(4-10)-101019	W-39(10-15)-101019	W-4(3-4)-10019	ROW-42(2-4)-100819D	ROW-42(2-4)-100819	ROW-43(0-2)-101019	
Lab Sample ID	500-170912-18	500-170912-19	500-171647-1	500-171647-2	500-171647-8	500-171647-9	500-171386-7	500-171386-10	500-171386-9	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	7.7	7.9	7.8	7.9	7.5	7.9	8.2	7.8	7.8	<6.25, >9.0
<b>VOCs (mg/kg)</b>										
Acetone	ND	ND	0.013 J	0.0066 J	ND	0.01 J	ND	ND	0.018	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	0.0005 J	ND	ND	0.00056 J	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>										
2-Methylnaphthalene	0.071 J	0.017 J	0.038 J	0.045 J	0.018 J	0.056 J	0.012 J	0.015 J	0.029 J	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	0.025 J	0.014 J	ND	0.098	0.014 J	ND	ND	0.0089 J	0.033 J	570
Acenaphthylene	ND	ND	ND	0.068	ND	ND	ND	0.012 J	0.19 J	---
Anthracene	ND	ND	ND	0.3	ND	ND	ND	0.023 J	0.52 J	12000
Benzo(a)anthracene	ND	ND	ND	0.85	ND	ND	ND	0.085 J	1.4 J	0.9 / 1.1 / 1.8
Benzo(a)pyrene	ND	ND	ND	0.86	ND	ND	ND	0.094 J	1.2 J	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	ND	ND	1.3	ND	ND	ND	0.12 J	1.6 J	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.02 J	0.019 J	0.015 J	0.21	ND	ND	ND	0.034 J	0.25 J	---
Benzo(k)fluoranthene	ND	ND	ND	0.39	ND	ND	ND	0.051 J	0.65 J	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	5	ND	46
Carbazole	ND	ND	ND	0.096 J	ND	ND	ND	ND	ND	0.6
Chrysene	0.039 J	0.032 J	0.039 J	0.86	0.042	0.034 J	0.034 J	0.097 J	1.2 J	88.00001
Dibenzo(a,h)anthracene	ND	ND	ND	0.065	ND	ND	ND	ND	0.12 J	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	0.085 J	ND	ND	ND	ND	0.06 J	---
Diethylphthalate	0.084 J	0.082 J	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	ND	0.015 J	ND	1.6	0.01 J	ND	0.021 J	0.18 J	3 J	3100
Fluorene	0.013 J	0.0092 J	ND	0.12	ND	ND	ND	0.011 J	0.11	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.21	ND	ND	ND	0.027 J	0.33 J	0.9 / 0.9 / 1.6
Naphthalene, SVOC	0.016 J	0.019 J	ND	0.046	ND	0.013 J	ND	0.011 J	0.049	1.8
N-Nitrosodiphenylamine	ND	0.071 J	ND	ND	ND	ND	ND	ND	ND	1
Phenanthrene	0.2	0.15	0.16	1.2	0.12	0.13	0.11	0.16 J	1.5 J	---
Pyrene	0.033 J	0.026 J	0.024 J	1.8	0.038 J	0.025 J	0.033 J	0.15 J	2.2 J	2300
<b>Total Metals (mg/kg)</b>										
Antimony, Total	0.66 J	0.68 J	0.54 J	1.2	0.44 J	0.44 J	0.43 J	ND	ND	5
Arsenic, Total	9.8	8	8.9	7.3	6.6	7	9.5	7.3 J	4.1 J	11.3 / 13
Barium, Total	41	53	32	67	42	36	34	40	35	1500
Beryllium, Total	0.77	0.82	0.71	0.67	0.76	0.79	0.54	0.71	0.74	22
Cadmium, Total	0.24	0.18	0.19 J	0.48 J	ND	0.16 J	0.27 J	0.13 J	0.11 J	5.2
Calcium, Total	53000	47000	35000 B	58000 B	33000 B	47000 B	42000 B	45000 J	28000 J	---
Chromium, Total	17	19	17	15	16	18	13	15	18	21
Cobalt, Total	14	13	16	11	14	15	16	15	16	20
Copper, Total	40 B	36 B	38	66	32	33	38	30	35	2900
Iron, Total	19000	18000	21000	16000	20000	22000	20000	19000	20000	15000 / 15900
Lead, Total	17	15	15	120	16	15	17	18	18	107
Magnesium, Total	22000 B	22000 B	19000	27000	18000	20000	22000	20000	17000	325000
Manganese, Total	310	330	300	260	260	310	330	320	280	630 / 636
Mercury, Total	0.023	0.013 J	0.024	0.15	0.027	0.024	0.024	0.027	0.026	0.89
Nickel, Total	35	34	41	29	39	38	40	38	40	100
Potassium, Total	4000	4600	3600	2700	3300	3900	2800	3400	3600	---
Selenium, Total	ND	ND	1	0.86	0.66	0.95	ND	0.69	0.75	1.3
Silver, Total	2.1	2.3	2.5	2.5	2.8	2.7	1.9	2.4	3	4.4
Sodium, Total	390	220	650	410	290	220	620	540	400	---
Thallium, Total	2	2	1.1	0.61	1.3	1.1	2.1	0.72	0.85	2.6
Vanadium, Total	20	22	21	18	20	22	16	19	21	550
Zinc, Total	49 B	45 B	54	140	57	55	48 B	59	52	5100
<b>TCLP Metals (mg/l)</b>										
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.61	0.63	0.54	0.25 J	0.16 J	0.63	0.57	0.12 J	0.23 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	0.0026 J	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.018 J	0.017 J	0.014 J	0.018 J	0.014 J	0.011 J	0.031	0.033	0.018 J	1
Copper, TCLP	0.01 J	0.1 J	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.9	2.1	1.3	1.6	1.5	1.2	1.9	1.8	2.3	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.049	0.045	0.047	0.023 J	0.036	0.044	0.064	0.039 J	0.019 J	0.1
Selenium, TCLP	ND	0.02 J	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	0.067 J	ND	ND	ND	ND	ND	5
<b>SPLP Metals (mg/l)</b>										
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	0.05 J	0.05 J	0.05
Barium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	0.005 J	0.005 J	ND	0.005 J	0.005 J	0.005 J	0.005 J	0.005
Chromium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, SPLP	ND	ND	0.43	1	ND	0.39 J	ND	ND	ND	5
Lead, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, SPLP	0.028	0.034	0.021 J	ND	ND	0.025	0.014 J	0.032	0.023 J	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	ND	0.02 J <sup>A</sup>	0.024 J <sup>A</sup>	ND	ND	0.089 J	ND	5

**Notes:**  
--- - not applicable or value not available.  
<sup>A</sup> - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.  
<sup>B</sup> - Constituent detected in the laboratory blank and investigative samples.  
J - Estimated concentration.  
F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.  
F2 - MS/MSD Relative Percent Difference (RPD) exceeds control limits.  
ND - Constituent not detected above the reporting limit.  
<sup>A</sup> - Instrument related Quality Control (QC) is outside acceptance limits.  
Shaded values indicate concentration **exceeds** Reference Concentration.

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-44	ROW-45	ROW-47	ROW-48	ROW-49	ROW-50	ROW-51	ROW-52	ROW-52	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/10/2019	10/11/2019	10/9/2019	10/9/2019	10/9/2019	10/9/2019	10/10/2019	10/8/2019	10/8/2019	
Sampled Interval	0 - 4	0 - 7	0 - 7	4 - 8	4 - 10	0 - 4	10 - 15	10 - 15		
Field Sample ID	DW-45(0-2)-101	DW-47(5-7)-1008	ROW-48(5-7)-100919	ROW-49(4-8)-100919	ROW-5(4-10)-100119	ROW-51(0-3)-101019	V-52(10-15)-1008	ROW-52(10-15)-100819	ROW-53(5-10)-100719	
Lab Sample ID	500-171647-5	500-171647-7	500-171473-10	500-171473-11	500-171473-12	500-171473-13	500-171647-4	500-171386-6	500-171386-5	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	8	8.2	8.7	8.4	8.2	8.9	8.2	8.1	8.2	<6.25, >9.0
<b>VOCs (mg/kg)</b>										
Acetone	0.03	ND	0.021	ND	ND	ND	ND	ND	0.15	25
Carbon disulfide	0.00087 J	ND	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	0.0031 J	ND	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.00097 J	0.06
Toluene	0.00045 J	ND	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>										
2-Methylnaphthalene	0.072 J	0.088	0.033 J	0.014 J	0.025 J	0.0082 J	0.035 J	0.035 J	0.058 J	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	0.064	0.2	0.0087 J	ND	ND	ND	0.034 J	0.012 J	0.0092 J	570
Acenaphthylene	0.039	0.032 J	ND	ND	ND	ND	0.021 J	ND	ND	---
Anthracene	0.15	0.61	ND	ND	ND	ND	0.1	ND	ND	12000
Benzo(a)anthracene	0.44	0.96	ND	0.011 J	ND	0.012 J	0.27	ND	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.45	0.97	ND	0.012 J	0.046	0.011 J	0.27	ND	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.65	1.1	ND	0.018 J	ND	0.018 J	0.36	ND	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.14	0.3	ND	0.015 J	ND	ND	0.089	0.017 J	ND	---
Benzo(k)fluoranthene	0.22	0.56	ND	ND	ND	ND	0.14	ND	ND	9
bis(2-Ethylhexyl)phthalate	0.16 J	0.15 J	ND	ND	ND	ND	ND	ND	ND	46
Carbazole	ND	0.19	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	0.44	0.91	0.019 J	0.033 J	0.029 J	0.02 J	0.27	0.021 J	0.024 J	88.0001
Dibenzo(a,h)anthracene	0.043	0.084	ND	ND	ND	ND	0.03 J	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	0.067 J	0.14 J	ND	ND	ND	ND	ND	ND	ND	---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	0.93	2.5	ND	0.016 J	0.016 J	0.023 J	0.56	ND	ND	3100
Fluorene	0.076	0.22	0.0059 J	ND	0.0094 J	ND	0.04	ND	0.0095 J	560
Indeno(1,2,3-cd)pyrene	0.14	0.29	ND	ND	ND	ND	0.098	ND	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	0.049	0.079	0.0087 J	ND	0.0096 J	ND	0.026 J	ND	0.016 J	1.8
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Phenanthrene	0.66	2.4	0.087	0.061	0.13	0.057	0.41	0.088	0.1	---
Pyrene	0.96	2.4	0.018 J	0.032 J	ND	0.032 J	0.53	ND	0.021 J	2300
<b>Total Metals (mg/kg)</b>										
Antimony, Total	0.52 J	0.46 J	ND	ND	ND	ND	0.57 J	ND	ND	5
Arsenic, Total	5.7	5.5	7	7.2	9.3	4.2	6.1	7	7.1	11.3 / 13
Barium, Total	38	30	40	40	35	31	96	40	42	1500
Beryllium, Total	0.53	0.53	0.72	0.66	0.7	0.51	0.63	0.67	0.74	22
Cadmium, Total	0.22 J	0.21 J	0.16	0.12	0.18	0.14	0.26 J	0.14 J	0.13 J	5.2
Calcium, Total	52000 B	94000 B	79000 B	56000 B	59000 B	140000 B	28000 B	52000 B	55000 B	---
Chromium, Total	11	11	15	16	15	9.8	16	16	17	21
Cobalt, Total	9.3	10	13	13	15	8.3	10	14	14	20
Copper, Total	25	21	28	25	36	16	29	28	27	2900
Iron, Total	14000	12000	19000 B	18000 B	21000 B	11000 B	17000	19000	20000	15000 / 15900
Lead, Total	38	24	13	15	16	13	35	13	13	107
Magnesium, Total	24000	55000	33000 B	26000 B	27000 B	84000 B	15000	22000	22000	325000
Manganese, Total	330	230	380	340	430	230	420	320	350	630 / 636
Mercury, Total	0.068	0.052	0.016 J	0.016 J	0.021	0.014 J	0.052	0.021	0.022	0.89
Nickel, Total	23	25	33	31	39	19	23	35	37	100
Potassium, Total	2300	2700	3600	3500	3700	2500	2000	3600	3700	---
Selenium, Total	0.78	0.69	0.75 J	0.85 J	1.2 J	0.76 J	0.72	0.83	0.77	1.3
Silver, Total	1.9	1.8	2.5	2.7	2.6	1.6	3.2	2.5	2.6	4.4
Sodium, Total	250	220	1200	750	740	360	340	490	550	---
Thallium, Total	0.46 J	0.47 J	0.98	0.74	1.1	0.34 J	0.66	0.7	0.95	2.6
Vanadium, Total	16	15	20	21	20	14	26	21	21	550
Zinc, Total	62	45	52	44	52	30	77	50	53	5100
<b>TCLP Metals (mg/l)</b>										
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.33 J	0.35 J	0.47 J	0.45 J	0.5	0.5	0.29 J	0.5	0.53	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	0.013 J	0.02 J	0.016 J	0.019 J	0.013 J	ND	0.012 J	0.012 J	1
Copper, TCLP	ND	ND	0.012 J	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	3.1	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.2	1.2	1.4	1.5	1.6	1	0.14	1.5	1.5	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.025	0.026	0.048	0.043	0.045	0.025	ND	0.035	0.038	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.027 J	0.023 J	0.022 J	0.065 J	0.028 J	0.033 J	ND	ND	ND	5
<b>SPLP Metals (mg/l)</b>										
Arsenic, SPLP	ND	ND	0.013 J	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	ND	0.066 J	0.37 J	0.11 J	0.087 J	0.18 J	ND	ND	ND	2
Beryllium, SPLP	ND	ND	0.005	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	0.005 J	0.005 J	ND	ND	ND	ND	0.005 J	0.005 J	0.005 J	0.005
Chromium, SPLP	ND	0.017 J	0.11	0.031	0.016 J	0.051	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	0.041	0.011 J	ND	0.014 J	ND	ND	ND	1
Copper, SPLP	ND	0.013 J	0.077	0.044	0.013 J	0.041	ND	ND	ND	0.65
Iron, SPLP	2.3	10	67	19	9	33	1.2	0.29 J	0.38 J	5
Lead, SPLP	ND	0.023	0.042	0.01	ND	0.022	ND	ND	ND	0.0075
Manganese, SPLP	0.02 J	0.092	0.6	0.14	0.087	0.23	ND	0.017 J	0.014 J	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	0.015 J	0.11	0.028	0.014 J	0.046	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	0.05 J	0.05 J	0.05 J	0.05 J	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.023 J <sup>A</sup>	0.053 J <sup>A</sup>	0.14 J	0.12 J	0.074 J	0.19 J	0.5 ND <sup>A</sup>	ND	ND	5

**Notes:**

- - not applicable or value not available.
- <sup>A</sup> - 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.
- J - Estimated concentration.
- F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.
- F2 - MS/MSD Relative Percent Differenc (RPD) exceeds control limits.
- ND - Constituent not detected above the reporting limit.
- <sup>A</sup> - Instrument related Quality Control (QC) is outside acceptance limits.

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

**Summary Table of ISGS Site No. 2615V2-1  
Comparison of Detected Constituents to Applicable Reference Concentrations  
Soil Analytical Results  
Illinois Department of Transportation  
FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street  
Chicago, Cook County, Illinois**

Location	ROW-53	ROW-53	ROW-54	ROW-54	ROW-54	ROW-54	ROW-54	ROW-57	ROW-57	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/7/2019	10/7/2019	10/8/2019	10/8/2019	10/8/2019	10/8/2019	10/8/2019	10/7/2019	10/7/2019	
Sampled Interval	10 - 15	0 - 4	4 - 10	4 - 10	10 - 15	0 - 4	10 - 15	0 - 4		
Field Sample ID	ROW-53(10-15)-100719	ROW-54(3-4)-100819	ROW-54(4-10)-100819D	ROW-54(4-10)-100819	ROW-54(10-15)-100819	ROW-55(3-4)-100719	ROW-57(10-15)-100719	ROW-58(3-4)-100719		
Lab Sample ID	500-171328-13	500-171328-14	500-171386-1	500-171386-3	500-171386-2	500-171386-4	500-171328-7	500-171328-8		
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	8.2	8.2	8.2	8.2	8.3	8.4	8.5	8.5	<6.25, >9.0	
<b>VOCs (mg/kg)</b>										
Acetone	ND	ND	0.015 J	ND	0.031	0.0086 J	ND	ND	25	
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	9	
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	---	
Methylene chloride	ND	ND	ND	ND	0.0025 J	ND	ND	ND	0.02	
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.06	
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	12	
<b>SVOCs (mg/kg)</b>										
2-Methylnaphthalene	0.07 J	0.077 J	0.03 J	0.032 J	0.029 J	0.034 J	0.076 J	0.075 J	---	
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	---	
Acenaphthene	ND	ND	0.016 J	0.014 J	ND	ND	ND	ND	570	
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	---	
Anthracene	ND	ND	0.022 J	ND	ND	ND	ND	ND	12000	
Benzo(a)anthracene	ND	ND	0.057	ND	ND	ND	ND	ND	0.9 / 1.1 / 1.8	
Benzo(a)pyrene	ND	ND	0.056	ND	ND	ND	ND	ND	0.09 / 1.3 / 2.1	
Benzo(b)fluoranthene	ND	ND	0.069	ND	ND	ND	ND	ND	0.9 / 1.5 / 2.1	
Benzo(g,h,i)perylene	0.02 J	0.023 J	0.028 J	0.014 J	ND	ND	0.022 J	0.023 J	---	
Benzo(k)fluoranthene	ND	ND	0.02 J	ND	ND	ND	ND	ND	9	
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	46	
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	0.6	
Chrysene	ND	ND	0.07	0.03 J	0.032 J	ND	ND	ND	88,00001	
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42	
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	---	
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	470	
Fluoranthene	ND	ND	0.13	ND	0.012 J	ND	ND	ND	3100	
Fluorene	ND	ND	0.012 J	ND	0.011 J	ND	ND	ND	560	
Indeno(1,2,3-cd)pyrene	ND	ND	0.021 J	ND	ND	ND	ND	ND	0.9 / 0.9 / 1.6	
Naphthalene, SVO	ND	ND	ND	ND	ND	ND	ND	ND	1.8	
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	1	
Phenanthrene	0.16 B	0.16 B	0.16	0.13	0.11	0.065	0.16 B	0.15 B	---	
Pyrene	ND	ND	0.11	ND	0.028 J	ND	ND	ND	2300	
<b>Total Metals (mg/kg)</b>										
Antimony, Total	ND	ND	ND	ND	ND	ND	ND	ND	5	
Arsenic, Total	6.9	6.4	8.2	8	5.3	7.3	7.5	6.7	11.3 / 13	
Barium, Total	36	43	35	27 J	48 J	43	41	40	1500	
Beryllium, Total	0.74	0.83	0.73	0.57	0.8	0.77	0.78	0.74	22	
Cadmium, Total	ND	0.12 NDJ	0.17 J	0.19 J	ND	0.12 J	0.11 J	0.15 J	5.2	
Calcium, Total	66000 B	55000 B	47000 B	59000 B	51000 B	53000 B	59000 B	49000 B	---	
Chromium, Total	16	18	16	13	18	17	17	17	21	
Cobalt, Total	13	13	14	14	14	14	14	16	20	
Copper, Total	30	25	33	34	24	27	27	42	2900	
Iron, Total	19000	20000	20000	20000	18000	20000	20000	20000	15000 / 15900	
Lead, Total	13	11	15	14	12	12	13	12	107	
Magnesium, Total	28000	22000	22000	26000	22000	22000	22000	20000	325000	
Manganese, Total	340	330	330	410	340	340	310	300	630 / 636	
Mercury, Total	0.019	0.018 J	0.022	0.021	0.02 J	0.02	0.018	0.016 J	0.89	
Nickel, Total	33	33	37	36	36	36	35	38	100	
Potassium, Total	3600	4200	3600	2900	4200	3900	3900	3600	---	
Selenium, Total	ND	ND	0.74	1	0.73	1.1	ND	ND	1.3	
Silver, Total	2.4	2.8	2.4	2	2.6	2.7	2.6	2.5	4.4	
Sodium, Total	820	270	470	270 J	460 J	250	310	280	---	
Thallium, Total	1.4	1.6 J	0.75	0.84	0.9	0.87	1.6	1.5	2.6	
Vanadium, Total	20	23	19	16	22	22	22	24	550	
Zinc, Total	48	51	47	51	42	49	57	68	5100	
<b>TCLP Metals (mg/l)</b>										
Arsenic, TCLP	ND	ND	0.011 J	ND	ND	ND	0.013 J	0.012 J	0.05	
Barium, TCLP	0.55	0.56	0.55	0.57	0.65	0.67	0.6	0.56	2	
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004	
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	0.0022 J	ND	0.005	
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1	
Cobalt, TCLP	0.016 J	0.013 J	0.019 J	0.016 J	0.017 J	0.011 J	0.013 J	0.013 J	1	
Copper, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.65	
Iron, TCLP	ND	ND	ND	ND	ND	ND	0.2 J	ND	5	
Lead, TCLP	ND	ND	0.011	ND	ND	ND	ND	ND	0.0075	
Manganese, TCLP	1.8	1.7	1.9	1.7	2	1.6	1.8	1.7	0.15	
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002	
Nickel, TCLP	0.047	0.044	0.11	0.044	0.049	0.037	0.039	0.037	0.1	
Selenium, TCLP	ND	ND	ND	0.023 J	ND	ND	ND	ND	0.05	
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05	
Zinc, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	5	
<b>SPLP Metals (mg/l)</b>										
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05	
Barium, SPLP	ND	ND	ND	0.5 J	0.5 J	ND	ND	0.079 J	2	
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004	
Cadmium, SPLP	ND	ND	0.005 J	0.005 J	ND	0.005 J	0.005 J	0.005 J	0.005	
Chromium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.011 J	0.1	
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	1	
Copper, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.65	
Iron, SPLP	0.57	1.1	0.28 J	ND	0.28 J	0.78	1.4	6.1	5	
Lead, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075	
Manganese, SPLP	0.017 J	0.024 J	0.016 J	0.018 J	0.025	0.018 J	0.019 J	0.075	0.15	
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002	
Nickel, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1	
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05	
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05	
Zinc, SPLP	0.022 J	ND	0.071 J	ND	0.085 J	ND	ND	0.027 J	5	

**Notes:**

- - not applicable or value not available.
- <sup>A</sup> - 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.
- J - Estimated concentration.
- F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.
- F2 - MS/MSD Relative Percent Difference (RPD) exceeds control limits.
- ND - Constituent not detected above the reporting limit.
- ^ - Instrument related Quality Control (QC) is outside acceptance limits.
- Shaded values indicate concentration **exceeds** Reference Concentration.

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-58	ROW-58	ROW-58	ROW-58	ROW-61	ROW-61	ROW-62	ROW-62	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/7/2019	10/7/2019	10/7/2019	10/7/2019	10/8/2019	10/8/2019	10/8/2019	10/8/2019	
Sampled Interval	4 - 10	10 - 15	10 - 15	0 - 4	10 - 15	4 - 10	10 - 15	0 - 4	
Field Sample ID	ROW-58(4-10)-100719	ROW-58(10-15)-100719D	ROW-58(10-15)-100719	ROW-59(3-4)-100819	ROW-61(10-15)-100819	ROW-62(4-10)-100819	ROW-62(10-15)-100819	ROW-63(2-4)-100819	
Lab Sample ID	500-171385-4	500-171385-5	500-171385-7	500-171385-6	500-171385-11	500-171385-12	500-171385-13	500-171385-14	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	8.9	8.4	8.4	8.5	8	8.3	8	8.6	<6.25, >9.0
<b>VOCs (mg/kg)</b>									
Acetone	ND	ND	ND	ND	0.016 J	0.017 J	0.029	0.017	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	0.0017 J	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>									
2-Methylnaphthalene	0.039 J	0.059 J	0.051 J	0.048 J	0.062 J	0.08 J	0.043 J	0.051 J	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	0.029 J	0.028 J	ND	ND	ND	ND	ND	ND	570
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	---
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	12000
Benzo(a)anthracene	0.012 J	ND	ND	ND	ND	ND	ND	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.017 J	ND	ND	ND	ND	0.0085 J	ND	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.013 J	0.014 J	0.016 J	0.02 J	0.015 J	0.026 J	0.02 J	0.012 J	---
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	46
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	0.031 J	0.028 J	0.023 J	0.025 J	0.03 J	0.038 J	0.029 J	0.026 J	88.00001
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	0.021 J	0.009 J	0.0076 J	ND	0.0096 J	0.0082 J	ND	ND	3100
Fluorene	0.0082 J	0.0085 J	ND	ND	0.011 J	ND	0.01 J	ND	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	ND	ND	ND	ND	ND	ND	ND	ND	1.8
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	1
Phenanthrene	0.13	0.13	0.08	0.085	0.13	0.16	0.13	0.11	---
Pyrene	0.034 J	0.025 J	ND	ND	0.029 J	0.032 J	0.027 J	0.025 J	2300
<b>Total Metals (mg/kg)</b>									
Antimony, Total	1.1 ND	ND	ND	ND	ND	ND	ND	ND	5
Arsenic, Total	7.4	12	7.4	6.6	7	7.5	6.9	11	11.3 / 13
Barium, Total	38	35	43	43	45	42	40	44	1500
Beryllium, Total	0.62	0.78	0.76	0.67	0.7	0.68	0.69	0.73	22
Cadmium, Total	0.14 J	0.13 J	0.14 J	0.11 J	0.16 J	0.26 J	0.13 J	ND	5.2
Calcium, Total	58000 B	47000 B	55000 B	55000 B	58000 B	56000 B	60000 B	54000 B	---
Chromium, Total	15	17	18	17	17	17	16	17	21
Cobalt, Total	14	20	15	14	14	14	13	14	20
Copper, Total	30	39	28	26	26	30	27	28	2900
Iron, Total	19000	24000	20000	19000	20000	25000	19000	25000	15000 / 15900
Lead, Total	13	19	13	13	13	12	12	12	107
Magnesium, Total	24000	21000	22000	21000	23000	23000	26000	23000	325000
Manganese, Total	350	350	330	310	340	350	370	330	630 / 636
Mercury, Total	0.023	0.016 J	0.018 J	0.018 J	0.014 J	0.017 J	0.015 J	0.018	0.89
Nickel, Total	35	45	38	36	37	37	34	35	100
Potassium, Total	3700	3800	4100	3900	3900	3900	3700	4100	---
Selenium, Total	1 J	1.1 J	0.62 J	0.88 J	1 J	0.92 J	ND	0.97 J	1.3
Silver, Total	2.4	2.6	2.7	2.7	2.7	2.6	2.5	2.5	4.4
Sodium, Total	1200	670	260	260	430	230	560	250	---
Thallium, Total	0.98	1.2	0.99	0.78	0.83	0.84	0.65	0.78	2.6
Vanadium, Total	20	22	22	22	22	22	21	22	550
Zinc, Total	57	60	63	53	68	130	53	50	5100
<b>TCLP Metals (mg/l)</b>									
Arsenic, TCLP	ND	0.01 J	ND	0.014 J	ND	0.017 J	0.014 J	0.011 J	0.05
Barium, TCLP	0.66	0.63	0.58	0.59	0.63	0.59	0.56	0.61	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.013 J	0.011 J	ND	ND	0.011 J	0.011 J	0.011 J	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.7	1.6	1.6	1.6	1.6	1.7	1.7	1.6	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.044	0.038	0.033	0.035	0.039	0.035	0.035	0.033	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	0.027 J	0.022 J	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	5
<b>SPLP Metals (mg/l)</b>									
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.14 J	0.053 J	0.076 J	0.073 J	0.05 J	0.11 J	ND	0.073 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	0.005 J	0.005 J	0.005 J	0.005 J	0.005 J	0.005 J	0.005 J	ND	0.005
Chromium, SPLP	0.031	ND	0.012 J	0.01 J	ND	0.022 J	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	0.017 J	ND	ND	ND	ND	0.011 J	ND	ND	0.65
Iron, SPLP	18	2.1	7.4	5.9	2.1	13	0.67	4.6	5
Lead, SPLP	0.0085	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, SPLP	0.17	0.027	0.072	0.057	0.028	0.12	0.018 J	0.048	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.026	ND	0.01 J	ND	ND	0.018 J	ND	ND	0.1
Selenium, SPLP	0.05 J	0.05 J	0.05 J	0.05 J	0.05 J	0.05 J	0.61 ND	0.05 J	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.043 JB	0.022 JB	0.12 JB	0.031 JB	0.073 JB	0.032 JB	ND	0.025 JB	5

**Notes:**

- - not applicable or value not available.
- <sup>A</sup> - 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.
- J - Estimated concentration.
- F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.
- F2 - MS/MSD Relative Percent Difference (RPD) exceeds control limits.
- ND - Constituent not detected above the reporting limit.
- <sup>^</sup> - Instrument related Quality Control (QC) is outside acceptance limits.
- Shaded values indicate concentration **exceeds** Reference Concentration.

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-63	ROW-63	ROW-64	ROW-64	ROW-65	ROW-65	ROW-68	ROW-68	ROW-69	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/8/2019	10/8/2019	10/8/2019	10/8/2019	10/8/2019	10/8/2019	10/9/2019	10/9/2019	10/9/2019	
Sampled Interval	4 - 8	0 - 4	4 - 8	0 - 4	4 - 8	4 - 8	4 - 8	4 - 8	5 - 10	
Field Sample ID	ROW-63(4-8)-100819	ROW-64(3-4)-100819	ROW-64(4-8)-100819	ROW-65(3-4)-100819	ROW-65(4-8)-100819	ROW-66(4-8)-100719	ROW-68(4-8)-100919	ROW-69(4-8)-100919	ROW-7(5-10)-100119	
Lab Sample ID	500-171385-15	500-171385-16	500-171385-17	500-171385-18	500-171385-19	500-171385-20	500-171473-17	500-171473-18	500-171473-19	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	8.2	8.1	8.3	8.1	9	8	8.4	8.1	8	<6.25, >9.0
<b>VOCs (mg/kg)</b>										
Acetone	0.0074 J	ND	0.018	0.024	0.015	ND	ND	ND	ND	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	0.0016 J	0.0017 J	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>										
2-Methylnaphthalene	0.043 J	0.043 J	0.06 J	0.043 J	0.062 J	0.026 J	0.072 J	0.031 J	ND	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	ND	ND	0.014 J	0.021 J	1.1	570
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	0.36	12000
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	0.22	0.9 / 1.1 / 1.8
Benzo(a)pyrene	ND	ND	0.0091 J	ND	ND	ND	ND	ND	<b>0.092</b>	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	0.15	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.019 J	0.018 J	0.019 J	0.015 J	ND	0.017 J	ND	ND	0.023 J	---
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	0.074	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	46
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	0.13 J	0.6
Chrysene	0.03 J	0.027 J	0.032 J	0.031 J	ND	0.028 J	0.025 J	0.025 J	0.2	88,00001
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	0.93	---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	ND	0.0075 J	0.009 J	0.0075 J	0.0086 J	ND	ND	0.015 J	1.3	3100
Fluorene	ND	ND	ND	ND	ND	ND	0.0071 J	0.0084 J	0.99	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.015 J	0.9 / 0.9 / 1.6
Naphthalene, SVOC	ND	ND	ND	ND	ND	ND	0.015 J	0.0088 J	0.094	1.8
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	0.12 J	ND	1
Phenanthrene	0.13	0.13	0.12	0.15	0.13	0.12	0.12	0.14	2.5	---
Pyrene	0.019 J	0.026 J	0.049	0.031 J	0.032 J	0.026 J	0.024 J	ND	1	2300
<b>Total Metals (mg/kg)</b>										
Antimony, Total	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Arsenic, Total	7.5	7.4	7.5	7.1	5.3	11 J	9.2	8.6	8.7	11.3 / 13
Barium, Total	51	41	37	38	42	42	38	34	38	1500
Beryllium, Total	0.78	0.71	0.66	0.73	0.61	0.72	0.9	0.71	0.79	22
Cadmium, Total	0.12 J	0.18 J	0.12 J	0.17 J	0.11 J	0.21 J	0.12	0.15	0.29	5.2
Calcium, Total	52000 B	62000 B	61000 B	57000 B	64000 B	53000 B	33000 B	51000 B	44000 B	---
Chromium, Total	16	17	15	15	15	16	18	15	16	21
Cobalt, Total	12	14	14	13	11	19 J	17	15	15	20
Copper, Total	27	26	27	27	22	28	42	33	39	2900
Iron, Total	<b>21000</b>	<b>21000</b>	<b>19000</b>	<b>19000</b>	<b>17000</b>	<b>22000</b>	<b>22000 B</b>	<b>20000 B</b>	<b>23000 B</b>	15000 / 15900
Lead, Total	12	12	13	12	11	14 J	17	15	16	107
Magnesium, Total	22000	24000	25000	24000	27000	21000	18000 B	23000 B	22000 B	325000
Manganese, Total	340	330	380	350	340	320	310	360	390	630 / 636
Mercury, Total	0.019	0.015 J	0.018 J	0.014 J	0.012 J	0.016 J	0.018 J	0.018	0.018	0.89
Nickel, Total	33	36	35	35	29	37	45	37	40	100
Potassium, Total	4100	4100	3500	3700	3400	4000	4400	3700	4100	---
Selenium, Total	0.9 J	0.96 J	0.82 J	0.83 J	0.86 J	1.1 J	1.2 J	1.1 J	1 B	1.3
Silver, Total	2.6	2.6	2.5	2.5	2.3	2.8	2.8	2.4	2.6	4.4
Sodium, Total	2700	950	1300	520	2600	950	850	470	630	---
Thallium, Total	0.81	0.68	0.75	0.87	0.54 J	1.3 J	1.2	1	1	2.6
Vanadium, Total	21	22	19	20	18	22	24	20	22	550
Zinc, Total	57	83	53	57	43	63 J	50	50	79	5100
<b>TCLP Metals (mg/l)</b>										
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.89	0.53	0.62	0.54	0.53	0.6	0.5	0.4 J	0.5	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.013 J	0.012 J	0.012 J	0.012 J	0.017 J	0.01 J	0.018 J	0.017 J	0.012 J	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	ND	0.012 J	ND	0.65
Iron, TCLP	ND	ND	ND	ND	0.35 J	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	<b>1.7</b>	<b>1.6</b>	<b>1.6</b>	<b>1.6</b>	<b>1.5</b>	<b>1.6</b>	<b>1.6</b>	<b>1.4</b>	<b>1.5</b>	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.045	0.043	0.041	0.04	0.043	0.035	0.051	0.053	0.039	0.1
Selenium, TCLP	0.021 J	ND	ND	ND	ND	0.023 J	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	ND	ND	0.081 J	ND	ND	5
<b>SPLP Metals (mg/l)</b>										
Arsenic, SPLP	ND	ND	ND	ND	0.016 J	0.05 J	ND	ND	ND	0.05
Barium, SPLP	0.19 J	0.055 J	0.094 J	ND	0.33 J	ND	0.13 J	ND	ND	2
Beryllium, SPLP	ND	ND	ND	ND	<b>0.0054</b>	ND	ND	ND	ND	0.004
Cadmium, SPLP	0.005 J	0.005 J	0.005 J	0.005 J	0.005 J	0.005 J	ND	ND	ND	0.005
Chromium, SPLP	0.033	ND	0.013 J	ND	<b>0.11</b>	ND	0.032	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	0.047	0.025 J	ND	ND	ND	1
Copper, SPLP	0.033	ND	ND	ND	0.094	ND	0.018 J	ND	ND	0.65
Iron, SPLP	<b>19</b>	<b>1.8</b>	<b>7.6</b>	<b>0.84</b>	<b>68</b>	<b>0.38 J</b>	<b>18</b>	<b>1.3</b>	<b>1.7</b>	5
Lead, SPLP	<b>0.013</b>	ND	ND	ND	<b>0.046</b>	0.0075 J	ND	ND	ND	0.0075
Manganese, SPLP	<b>0.17</b>	0.034	0.073	0.022 J	<b>0.69</b>	0.014 J	<b>0.16</b>	0.019 J	0.022 J	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.027	ND	0.011 J	ND	<b>0.12</b>	ND	0.026	ND	ND	0.1
Selenium, SPLP	0.05 J	0.05 J	0.05 J	0.05 J	0.05 J	0.05 J	0.05 J	0.05 J	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.056 JB	0.023 JB	0.079 JB	ND	0.18 JB	0.5 J	0.15 J	ND	0.066 J	5

**Notes:**

--- - not applicable or value not available.

<sup>A</sup> - 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.

J - Estimated concentration.

F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.

F2 - MS/MSD Relative Percent Differenc (RPD) exceeds control limits.

ND - Constituent not detected above the reporting limit.

<sup>^</sup> - Instrument related Quality Control (QC) is outside acceptance limits.

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



**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-70	ROW-70	ROW-71	ROW-72	ROW-72	ROW-73	ROW-75	ROW-76	ROW-79	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/9/2019	10/9/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/13/2019	10/13/2019	
Sampled Interval	4 - 8	4 - 8	0 - 4	4 - 8	4 - 8	0 - 4	4 - 8	4 - 8	4 - 8	
Field Sample ID	ROW-70(4-8)-100919	ROW-71 (4-8)-101019	ROW-72 (2-4)-101019	ROW-72 (4-8)-101019	ROW-73 (4-8)-101019	ROW-74 (2-4)-101019	ROW-76(4-8)-101319	ROW-76(4-8)-101319	ROW-79(4-8)-101319	
Lab Sample ID	500-171473-20	500-171475-1	500-171579-1	500-171579-2	500-171579-3	500-171579-4	500-171579-7	500-171724-1	500-171724-2	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	8.6	8.3	8.1	8.6	8.3	8.1	8.2	7.9	7.9	<6.25, >9.0
<b>VOCs (mg/kg)</b>										
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>										
2-Methylnaphthalene	0.12	0.044 J	0.049 J	0.018 J	0.04 J	0.04 J	0.064 J	0.04 J	0.057 J	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	0.22	ND	ND	ND	ND	ND	0.011 J	ND	0.015 J	570
Acenaphthylene	0.033 J	ND	ND	ND	ND	ND	ND	ND	ND	---
Anthracene	0.55	ND	0.0086 J	0.01 J	0.011 J	ND	0.019 J	ND	0.0088 J	12000
Benzo(a)anthracene	0.89	ND	0.0064 J	0.0079 J	ND	0.013 J	ND	ND	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.8	ND	0.052	0.047	ND	0.049	ND	ND	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	1.2	ND	ND	0.013 J	ND	ND	ND	ND	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.21	0.016 J	0.016 J	ND	0.014 J	0.016 J	ND	0.02 J	ND	---
Benzo(k)fluoranthene	0.45	ND	ND	ND	ND	ND	ND	ND	ND	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	0.074 J	ND	ND	46
Carbazole	0.19	ND	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	0.86	0.022 J	0.031 J	0.022 J	0.029 J	0.029 J	0.043	0.027 J	0.031 J	88.00001
Dibenzo(a,h)anthracene	0.071	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	0.23	ND	ND	ND	ND	ND	ND	ND	ND	---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	2.1	ND	0.013 J	0.02 J	ND	0.017 J	ND	0.015 J	ND	3100
Fluorene	0.38	0.0084 J	ND	ND	ND	0.013 J	0.014 J	ND	0.0096 J	560
Indeno(1,2,3-cd)pyrene	0.23	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	0.16	0.02 J	0.013 J	0.007 J	0.013 J	0.011 J	0.0073 J	0.014 J	0.018 J	1.8
N-Nitrosodiphenylamine	ND	ND	0.14 J	ND	ND	0.15 J	0.25 J	ND	ND	1
Phenanthrene	2	0.088	0.15	0.092	0.14	0.15	0.19	0.12	0.13	---
Pyrene	2.1	ND	0.029 J	0.015 J	ND	0.026 J	ND	0.03 J	ND	2300
<b>Total Metals (mg/kg)</b>										
Antimony, Total	ND	0.75 J	ND	ND	ND	ND	ND	0.33 J	ND	5
Arsenic, Total	7 J	7.1	7.1	7.3	8.1	7.9	9.8	7.9	8.4	11.3 / 13
Barium, Total	43	47	39	37	40	39	32	33	31	1500
Beryllium, Total	0.77	0.62	0.61	0.65	0.65	0.67	0.56	0.54	0.59	22
Cadmium, Total	0.13	0.21 J	0.12 NDJ	0.14 J	ND	0.18 J	0.31 J	ND	ND	5.2
Calcium, Total	52000 B	57000 B	55000 B	54000 B	53000 B	53000 B	50000 B	58000 B	52000 B	---
Chromium, Total	17	16	15	14	15	15	13	14	14	21
Cobalt, Total	14	13	14	15	15	15	15	14	15	20
Copper, Total	29 J	28	28	32	31	31	40	28	31	2900
Iron, Total	19000 B	20000	20000	19000	21000	20000	21000	19000	20000	15000 / 15900
Lead, Total	34 F2	12	13	15	14	14	16	15	16	107
Magnesium, Total	21000 B	26000	24000	23000	23000	23000	21000	25000	23000	325000
Manganese, Total	310	360	360	330	340	340	360	380	380	630 / 636
Mercury, Total	0.039	0.011 J	0.019 J	0.021	0.016 J	0.015 J	0.021	0.023	0.023	0.89
Nickel, Total	35	33	35	38	38	37	40	34	35	100
Potassium, Total	3900	3400	2700	2700	2700	2800	2300	2300	2400	---
Selenium, Total	1.2 J	ND	0.96 J	1.1	1.3	0.93	1.1	0.91 J	0.83 J	1.3
Silver, Total	2.6	2.4	2.4	2.3	2.3	2.4	2.3	2.2	2.3	4.4
Sodium, Total	1300 J	760	790	1300	800	770	1700	780	340	---
Thallium, Total	1 J	1.4	0.76 J	0.97	0.91	0.79	1	0.69	0.84	2.6
Vanadium, Total	22	19	17	16	17	18	16	15	16	550
Zinc, Total	55 J	50 J	51	44	46	55	86	49	47	5100
<b>TCLP Metals (mg/l)</b>										
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.65	0.63	0.2 J	0.23 J	0.19 J	0.5	0.49 J	0.61	0.62	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.01 J	ND	ND	ND	ND	ND	0.018 J	0.012 J	0.013 J	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	0.21 J	ND	0.2 J	ND	ND	ND	0.2 J	5
Lead, TCLP	0.035	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.1	1.5	0.37	0.39	0.35	1.4	1.2	1.7	1.6	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.038	0.031	0.021 J	0.025	0.021 J	0.033	0.042	0.036	0.034	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.033 J	ND	ND	ND	ND	ND	ND	0.029 J	ND	5
<b>SPLP Metals (mg/l)</b>										
Arsenic, SPLP	0.05 J	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	ND	ND	ND	0.1 J	ND	ND	ND	ND	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	0.005 J	ND	0.005 J	ND	0.005 J	0.005 J	ND	ND	0.005
Chromium, SPLP	ND	ND	ND	0.024 J	ND	ND	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	0.025 J	ND	0.014 J	ND	ND	ND	ND	ND	ND	0.65
Iron, SPLP	1.7 F1	0.39 J	ND	13	ND	ND	ND	0.93	0.54	5
Lead, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, SPLP	0.014 J	0.013 J	0.022 J	0.12	0.021 J	0.021 J	ND	0.017 J	0.018 J	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	0.02 J	ND	ND	ND	ND	ND	0.1
Selenium, SPLP	0.05 J	ND	0.05 J	ND	ND	ND	ND	0.05 J	0.05 J	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.031 J	0.5 J	ND	0.045 J	ND	ND	ND	ND	ND	5

**Notes:**

- - not applicable or value not available.
- <sup>A</sup> - 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.
- J - Estimated concentration.
- F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.
- F2 - MS/MSD Relative Percent Difference (RPD) exceeds control limits.
- ND - Constituent not detected above the reporting limit.
- <sup>^</sup> - Instrument related Quality Control (QC) is outside acceptance limits.
- Shaded values indicate concentration **exceeds** Reference Concentration.

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-81	ROW-83	ROW-83	ROW-83	ROW-83	ROW-84	ROW-84	ROW-84	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019	
Sampled Interval	0 - 4	4 - 10	10 - 16	16 - 22	22 - 30	10 - 15	15 - 22	22 - 27	
Field Sample ID	ROW-81 (2-4)-101019	ROW-83 (4-10)-101019	ROW-83 (10-15)-101019	ROW-83 (16-22)-101019	ROW-83 (22-30)-101019	ROW-84 (13-16)-101019	ROW-84 (16-22)-101019	ROW-84 (22-27)-101019D	
Lab Sample ID	500-171579-14	500-171581-5	500-171581-6	500-171581-7	500-171581-8	500-171581-9	500-171581-10	500-171581-12	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	8.6	8.4	7.7	7.8	7.9	8.2	7.7	7.5	<6.25, >9.0
<b>VOCs (mg/kg)</b>									
Acetone	0.0085 J	0.031	ND	ND	ND	0.018	ND	0.0075 J	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>									
2-Methylnaphthalene	0.018 J	0.059 J	0.049 J	0.044 J	0.045 J	0.047 J	0.051 J	0.052 J	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	0.071	0.021 J	0.021 J	0.012 J	0.013 J	ND	ND	0.016 J	570
Acenaphthylene	0.036 J	ND	ND	ND	ND	ND	ND	ND	---
Anthracene	0.21	0.0076 J	0.019 J	ND	ND	ND	ND	ND	12000
Benzo(a)anthracene	0.66	ND	0.035 J	ND	ND	ND	ND	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.72	ND	0.039 J	ND	ND	ND	ND	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.89	ND	0.038 J	ND	ND	ND	ND	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.3	0.024 J	0.026 J	ND	0.021 J	0.014 J	0.015 J	ND	---
Benzo(k)fluoranthene	0.36	ND	0.02 J	ND	ND	ND	ND	ND	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	46
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	0.65	0.044	0.062	0.03 J	0.034 J	0.035 J	0.034 J	0.033 J	88.00001
Dibenzo(a,h)anthracene	0.085	ND	ND	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	0.089 J	ND	ND	ND	ND	ND	ND	ND	---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	1.5	ND	0.062	ND	ND	ND	ND	ND	3100
Fluorene	0.065	0.011 J	0.017 J	0.011 J	ND	ND	0.0091 J	ND	560
Indeno(1,2,3-cd)pyrene	0.32	ND	0.013 J	ND	ND	ND	ND	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	0.018 J	ND	ND	ND	ND	ND	ND	ND	1.8
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	1
Phenanthrene	0.46	0.17	0.2	0.12	0.14	0.16	0.14	0.15	---
Pyrene	1.2	0.03 J	0.098	0.022 J	0.027 J	0.029 J	ND	0.029 J	2300
<b>Total Metals (mg/kg)</b>									
Antimony, Total	ND	ND	ND	ND	ND	ND	ND	ND	5
Arsenic, Total	1.9	6.6	8.2	7.4	7.4	7.6	7.7	8.3	11.3 / 13
Barium, Total	13	54	32	38	36	38	35	36	1500
Beryllium, Total	0.19 J	0.67	0.69	0.65	0.63	0.72	0.69	0.62	22
Cadmium, Total	0.15 J	0.14 J	0.14 J	ND	0.13 J	0.14 J	0.13 J	0.16 J	5.2
Calcium, Total	45000 B	50000 B	62000 B	53000 B	64000 B	48000 B	51000 B	60000 B	---
Chromium, Total	5	16	14	16	15	16	15	15	21
Cobalt, Total	2.6	13	14	13	13	15	15	14	20
Copper, Total	10	27	30	31	27	32	31	31	2900
Iron, Total	6400	24000 B	20000 B	21000 B	20000 B	19000 B	20000 B	21000 B	15000 / 15900
Lead, Total	20	12	14	13	13	15	14	14	107
Magnesium, Total	22000	21000	26000	22000	23000	20000	21000	25000	325000
Manganese, Total	210	310 B	370 B	330 B	320 B	310 B	330 B	370 B	630 / 636
Mercury, Total	0.031	0.019	0.02	0.019 J	0.023	0.025	0.023	0.023	0.89
Nickel, Total	7	36	35	35	33	37	36	34	100
Potassium, Total	460	2900	2800	2800	2600	3200	2600	2700	---
Selenium, Total	0.65	0.56	ND	ND	ND	0.6 J	ND	0.38 J	1.3
Silver, Total	1.2	2.5	2.3	2.5	2.3	2.5	2.3	2.3	4.4
Sodium, Total	190	450	200	180	180	2400	620	350 J	---
Thallium, Total	0.57 ND	1.1	0.85	0.87	0.86	0.96	0.73	0.89	2.6
Vanadium, Total	9.1	18	17	19	17	19	17	18	550
Zinc, Total	33	50	52	49	53	69	53	52	5100
<b>TCLP Metals (mg/l)</b>									
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.19 J	0.5	0.68	0.7	0.73	0.66	0.65	0.68	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0023 J	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	0.029	0.012 J	ND	ND	0.022 J	0.013 J	0.015 J	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	0.21 J	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	0.03	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.82	2.2	1.8	1.7	1.8	2	1.8	1.9	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.018 J	0.056	0.036	0.028	0.028	0.055	0.034	0.04	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	ND	ND	0.059 J	ND	5
<b>SPLP Metals (mg/l)</b>									
Arsenic, SPLP	ND	0.012 J	ND	ND	ND	0.018 J	ND	ND	0.05
Barium, SPLP	0.05 J	0.21 J	ND	0.058 J	0.067 J	0.35 J	0.05 J	0.055 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.0052	ND	ND	0.004
Cadmium, SPLP	0.005 J	0.005 J	0.005 J	ND	0.005 J	0.005 J	0.005 J	0.005 J	0.005
Chromium, SPLP	0.016 J	0.073	ND	ND	ND	0.11	ND	ND	0.1
Cobalt, SPLP	ND	0.021 J	ND	ND	ND	0.036	ND	ND	1
Copper, SPLP	0.024 J	0.051	ND	ND	ND	0.065	ND	ND	0.65
Iron, SPLP	13	35	ND	1.3	2.5	51	ND	0.27 J	5
Lead, SPLP	0.06	0.024	ND	ND	ND	0.033	ND	ND	0.0075
Manganese, SPLP	0.071	0.26	0.027	0.026	0.034	0.52	0.028	0.027	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.017 J	0.056	ND	ND	ND	0.092	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.24 J	0.091 J	ND	ND	ND	0.11 J	ND	ND	5

**Notes:**

--- - not applicable or value not available.

<sup>A</sup> - 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.

J - Estimated concentration.

F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.

F2 - MS/MSD Relative Percent Differenc (RPD) exceeds control limits.

ND - Constituent not detected above the reporting limit.

<sup>^</sup> - Instrument related Quality Control (QC) is outside acceptance limits.

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

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-84	ROW-85	ROW-85	ROW-85	ROW-86	ROW-86	ROW-86	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/4/2019	10/4/2019	10/4/2019	
Sampled Interval	22 - 27	10 - 15	15 - 20	20 - 28	4 - 10	10 - 16	16 - 22	
Field Sample ID	ROW-84 (22-27)-101019	ROW-85 (12-16)-101019	ROW-85 (16-22)-101019	ROW-85 (22-30)-101019	ROW-86 (4-10)-100419	ROW-86 (10-16)-100419	ROW-86 (16-22)-100419	
Lab Sample ID	500-171581-11	500-171581-13	500-171581-14	500-171581-15	500-171274-9	500-171274-10	500-171274-11	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	7.8	7.8	7.5	7.5	7.8	7.9	7.6	<6.25, >9.0
<b>VOCs (mg/kg)</b>								
Acetone	0.0077 J	ND	0.01 J	0.012 J	ND	ND	ND	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>								
2-Methylnaphthalene	0.049 J	ND	0.059 J	0.052 J	0.037 J	0.026 J	0.029 J	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	ND	0.019 J	0.021 J	0.015 J	0.009 J	0.011 J	ND	570
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	---
Anthracene	ND	ND	ND	ND	ND	ND	ND	12000
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	ND	ND	ND	ND	0.012 J	0.016 J	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	ND	0.017 J	ND	ND	ND	ND	ND	---
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	46
Carbazole	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	0.026 J	0.035 J	0.043	0.035 J	0.015 J	0.021 J	ND	88.00001
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	3100
Fluorene	ND	0.01 J	ND	0.013 J	ND	ND	ND	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	0.011 J	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	ND	ND	ND	0.015 J	0.0078 J	ND	ND	1.8
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	1
Phenanthrene	0.12	0.14	0.17	0.14	0.065	0.085	0.083	---
Pyrene	ND	ND	ND	ND	0.012 J	0.017 J	ND	2300
<b>Total Metals (mg/kg)</b>								
Antimony, Total	ND	ND	ND	ND	ND	ND	ND	5
Arsenic, Total	7.2	7	8.1	7.1	7.5	7.3	7.2	11.3 / 13
Barium, Total	37	33	34	40	43	41	45	1500
Beryllium, Total	0.62	0.71	0.73	0.68	0.73	0.72	0.7	22
Cadmium, Total	0.15 J	0.15 J	0.16 J	0.11 J	0.2 J	0.19 J	0.17 J	5.2
Calcium, Total	57000 B	43000 B	44000 B	57000 B	56000 B	53000 B	56000 B	---
Chromium, Total	15	16	16	16	18	16	17	21
Cobalt, Total	13	18	15	14	14	14	14	20
Copper, Total	29	35	32	27	29 B	29 B	28 B	2900
Iron, Total	19000 B	20000 B	20000 B	20000 B	20000	19000	20000	15000 / 15900
Lead, Total	13	16	15	13	13	13	12	107
Magnesium, Total	24000	19000	20000	22000	23000 B	22000 B	22000 B	325000
Manganese, Total	340 B	310 B	310 B	330 B	320	310	320	630 / 636
Mercury, Total	0.023	0.023	0.023	0.02	0.022	0.02	0.022 J	0.89
Nickel, Total	34	44	38	34	36	35	35	100
Potassium, Total	2900	2900	2800	2800	4000	4000	4300	---
Selenium, Total	ND	0.59	ND	ND	0.8	0.88	0.52 J	1.3
Silver, Total	2.4	2.3	2.4	2.5	2.7	2.6	2.7	4.4
Sodium, Total	690 J	310	190	200	350	270	240	---
Thallium, Total	0.67	1.1	0.95	1.1	0.89	0.9	1	2.6
Vanadium, Total	18	18	19	19	24	23	25	550
Zinc, Total	58	58	54	55	58	53	50	5100
<b>TCLP Metals (mg/l)</b>								
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.67	0.23 J	0.59	0.68	0.54	0.54	0.59	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.014 J	0.059	0.015 J	ND	0.016 J	0.015 J	0.015 J	1
Copper, TCLP	ND	0.013 J	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.7	1.6	1.9	1.6	1.6	1.7	1.8	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.038	0.14	0.04	0.025	0.045	0.038	0.038	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	0.034 J	ND	0.027 J	0.027 J	ND	5
<b>SPLP Metals (mg/l)</b>								
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.066 J	ND	ND	ND	ND	ND	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	0.005 J	0.005 J	0.005 J	0.005 J	0.005 J	0.005 J	0.005 J	0.005
Chromium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, SPLP	0.63	ND	ND	0.46	ND	0.24 J	0.61	5
Lead, SPLP	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, SPLP	0.033	0.023 J	0.031	0.013 J	0.014 J	0.014 J	0.013 J	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	0.0002 J	0.002
Nickel, SPLP	ND	ND	ND	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	ND	ND	0.02 J	0.022 J	0.032 J	5

**Notes:**

--- - not applicable or value not available.

<sup>A</sup> - 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.

J - Estimated concentration.

F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.

F2 - MS/MSD Relative Percent Differenc (RPD) exceeds control limits.

ND - Constituent not detected above the reporting limit.

<sup>^</sup> - Instrument related Quality Control (QC) is outside acceptance limits.

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

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-86	ROW-86	ROW-87	ROW-87	ROW-87	ROW-87	ROW-87	ROW-88	ROW-88	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/4/2019	10/4/2019	10/4/2019	10/4/2019	10/4/2019	10/4/2019	10/4/2019	10/2/2019	10/2/2019	
Sampled Interval	22 - 30	22 - 30	0 - 4	4 - 10	16 - 22	22 - 30	0 - 5	5 - 10		
Field Sample ID	ROW-86 (22-30)-100419D	ROW-86 (22-30)-100419	ROW-87 (2-4)-100419	ROW-87 (4-10)-100419	ROW-87 (16-22)-100419	ROW-87 (22-30)-100419	ROW-88(0-5)-100219	ROW-88(5-10)-100219		
Lab Sample ID	500-171274-13	500-171274-12	500-171265-12	500-171265-13	500-171265-14	500-171265-15	500-171160-1	500-171160-2		
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1		
Laboratory pH (s.u.)	7.9	8	8.5	7.7	7.6	7.9	8	8.2	<6.25, >9.0	
<b>VOCs (mg/kg)</b>										
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	25	
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	9	
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	---	
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.02	
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.06	
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	12	
<b>SVOCs (mg/kg)</b>										
2-Methylnaphthalene	0.047 J	0.031 J	0.018 J	0.022 J	0.021 J	0.012 J	0.02 J	0.027 J	---	
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	---	
Acenaphthene	ND	ND	0.016 J	0.009 J	ND	ND	ND	0.023 J	570	
Acenaphthylene	ND	ND	0.0066 J	ND	ND	ND	ND	ND	---	
Anthracene	ND	ND	0.025 J	ND	ND	ND	ND	ND	12000	
Benzo(a)anthracene	ND	ND	0.058	0.017 J	0.015 J	ND	ND	ND	0.9 / 1.1 / 1.8	
Benzo(a)pyrene	ND	ND	0.067	ND	ND	ND	ND	ND	0.09 / 1.3 / 2.1	
Benzo(b)fluoranthene	ND	ND	0.07	ND	ND	ND	ND	ND	0.9 / 1.5 / 2.1	
Benzo(g,h,i)perylene	0.03 J	ND	0.029 J	ND	ND	ND	ND	ND	---	
Benzo(k)fluoranthene	ND	ND	0.024 J	ND	ND	ND	ND	ND	9	
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	46	
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	0.6	
Chrysene	0.034 J	ND	0.072	ND	ND	ND	0.041	0.045	88.00001	
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42	
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	---	
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	470	
Fluoranthene	ND	ND	0.11	ND	ND	ND	0.0099 J	0.0078 J	3100	
Fluorene	0.0098 J	0.007 J	0.014 J	ND	ND	ND	ND	0.015 J	560	
Indeno(1,2,3-cd)pyrene	ND	ND	0.027 J	ND	ND	ND	ND	ND	0.9 / 0.9 / 1.6	
Naphthalene, SVOC	0.017 J	ND	0.0076 J	ND	ND	ND	0.0075 J	ND	1.8	
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	1	
Phenanthrene	0.14	0.082	0.15	0.08	0.053	0.04	0.1	0.17	---	
Pyrene	ND	0.016 J	0.12	ND	0.012 J	ND	0.034 J	0.035 J	2300	
<b>Total Metals (mg/kg)</b>										
Antimony, Total	ND	ND	ND	ND	ND	ND	0.45 J	0.31 J	5	
Arsenic, Total	9.3	7.6	7.7	ND	8.3	11	9.2	8.8	11.3 / 13	
Barium, Total	47	44	40	37	39	39	31	29	1500	
Beryllium, Total	0.81	0.82	0.67	0.68	0.65	0.7	0.66	0.81	22	
Cadmium, Total	0.17 J	0.16 J	ND	ND	ND	ND	ND	ND	5.2	
Calcium, Total	54000 B	53000 B	46000 B	35000 B	56000 B	57000 B	35000	45000	---	
Chromium, Total	18	17	15	16	16	17	16	20	21	
Cobalt, Total	14	14	15	15	15	14	14	15	20	
Copper, Total	29 B	31 B	40	31	27	33	29	34	2900	
Iron, Total	22000	20000	20000	19000	26000	23000	22000	22000	15000 / 15900	
Lead, Total	13	13	52	15	15	13	17	17	107	
Magnesium, Total	22000 B	22000 B	20000	20000	23000	23000	23000	22000	325000	
Manganese, Total	310	310	300	320	320	310	270 B	330 B	630 / 636	
Mercury, Total	0.022	0.023	0.025	0.02 J	0.018 J	0.018 J	0.022	0.023	0.89	
Nickel, Total	36	37	39	38	43	36	36	40	100	
Potassium, Total	4700	4200	2800	3000	2900	2900	2700	3300	---	
Selenium, Total	0.95	0.63	0.85	ND	0.88	0.81	0.69	0.57 J	1.3	
Silver, Total	2.7	2.7	2.3	2.4	2.3	2.3	2.4	2.4	4.4	
Sodium, Total	250	240	530	310	210	210	1200	630	---	
Thallium, Total	0.6	1.1	0.95	0.89	0.98	0.89	1.1	1	2.6	
Vanadium, Total	25	24	18	19	19	20	21	22	550	
Zinc, Total	57	54	71	64	49	53	58	87	5100	
<b>TCLP Metals (mg/l)</b>										
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05	
Barium, TCLP	0.61	0.6	0.61	0.47 J	0.58	0.58	ND	0.26 J	2	
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004	
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	0.0043 J	ND	0.005	
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1	
Cobalt, TCLP	0.013 J	0.013 J	0.034	0.018 J	0.015 J	0.014 J	0.037	0.026	1	
Copper, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.65	
Iron, TCLP	ND	ND	ND	ND	ND	ND	0.2 J	ND	5	
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075	
Manganese, TCLP	1.8	1.8	2.1	1.8	1.7	1.7	2.6	1.8	0.15	
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002	
Nickel, TCLP	0.033	0.033	0.054	0.046	0.041	0.037	0.025	0.061	0.1	
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05	
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05	
Zinc, TCLP	ND	0.028 J	0.044 J	ND	ND	0.027 J	0.025 J	ND	5	
<b>SPLP Metals (mg/l)</b>										
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05	
Barium, SPLP	ND	ND	0.063 J	ND	ND	ND	ND	ND	2	
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004	
Cadmium, SPLP	0.005 J	0.005 J	ND	ND	ND	ND	ND	ND	0.005	
Chromium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1	
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	1	
Copper, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.65	
Iron, SPLP	1.6 F1	1.1	4.6	ND	ND	1.3	ND	ND	5	
Lead, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075	
Manganese, SPLP	0.019 J	0.014 J	0.043	0.027	0.013 J	0.017 J	0.13	0.028	0.15	
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002	
Nickel, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1	
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05	
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05	
Zinc, SPLP	0.05 J	0.053 J	0.022 J	0.028 J	ND	ND	0.035 J	0.025 J	5	

**Notes:**

- not applicable or value not available.
- <sup>A</sup> - 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.
- J - Estimated concentration.
- F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.
- F2 - MS/MSD Relative Percent Differenc (RPD) exceeds control limits.
- ND - Constituent not detected above the reporting limit.
- <sup>^</sup> - Instrument related Quality Control (QC) is outside acceptance limits.
- Shaded values indicate concentration **exceeds** Reference Concentration.

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-88	ROW-88	ROW-88	ROW-88	ROW-88	ROW-89	ROW-89	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/2/2019	10/2/2019	10/2/2019	10/2/2019	10/3/2019	10/4/2019	10/4/2019	
Sampled Interval	10 - 15	15 - 20	20 - 26	20 - 26	26 - 32	10 - 16	16 - 22	
Field Sample ID	ROW-88(10-15)-100219	ROW-88(15-20)-100219	ROW-88(20-26)-100219D	ROW-88(20-26)-100219	ROW-88(26-32)-100219	ROW-89 (10-16)-100419	ROW-89 (16-22)-100419	
Lab Sample ID	500-171160-3	500-171160-4	500-171160-6	500-171160-5	500-171160-7	500-171274-5	500-171274-6	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	8.2	8.1	8.1	8.1	7.7	7.6	7.7	<6.25, >9.0
<b>VOCs (mg/kg)</b>								
Acetone	ND	ND	ND	ND	ND	ND	ND	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>								
2-Methylnaphthalene	0.065 J	0.05 J	0.036 J	0.04 J	0.059 J	0.03 J	0.06 J	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	0.021 J	0.012 J	0.011 J	0.015 J	0.011 J	ND	0.0098 J	570
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	---
Anthracene	ND	ND	ND	ND	ND	ND	ND	12000
Benzo(a)anthracene	ND	ND	ND	ND	ND	0.0059 J	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	ND	ND	ND	0.013 J	ND	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	ND	0.022 J	0.017 J	0.02 J	0.023 J	ND	0.031 J	---
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	46
Carbazole	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	0.044	0.036 J	0.023 J	0.031 J	0.033 J	0.032 J	ND	88.0001
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	ND	ND	ND	ND	0.0092 J	0.013 J	0.0085 J	3100
Fluorene	0.01 J	0.01 J	0.0072 J	0.0097 J	0.011 J	ND	ND	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	ND	ND	ND	ND	ND	ND	ND	1.8
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	1
Phenanthrene	0.19	0.17	0.099	0.12	0.14	0.13	0.15	---
Pyrene	0.038 J	0.028 J	0.019 J	0.024 J	0.028 J	0.026 J	0.032 J	2300
<b>Total Metals (mg/kg)</b>								
Antimony, Total	0.22 J	0.61 J	0.39 J	0.26 J	0.3 J	ND	ND	5
Arsenic, Total	8.2	8.3	9.1	7.4	7.4	8.1	7.5	11.3 / 13
Barium, Total	36	35	38	41	41	38	48	1500
Beryllium, Total	0.75	0.7	0.77	0.77	0.8	0.79	0.79	22
Cadmium, Total	ND	ND	ND	ND	ND	0.21 J	0.2 J	5.2
Calcium, Total	46000	55000	56000	60000	56000	50000 B	54000 B	---
Chromium, Total	18	18	19	20	20	17	18	21
Cobalt, Total	14	14	14	14	14	15	14	20
Copper, Total	34	30	28	27	25	34 B	30 B	2900
Iron, Total	21000	20000	22000	21000	20000	20000	21000	15000 / 15900
Lead, Total	16	16	15	16	14	15	13	107
Magnesium, Total	24000	27000	26000	26000	25000	22000 B	22000 B	325000
Manganese, Total	310 B	370 B	350 B	340 B	320 B	290	320	630 / 636
Mercury, Total	0.022	0.019 J	0.021	0.022	0.022	0.024	0.021	0.89
Nickel, Total	38	36	37	36	37	38	36	100
Potassium, Total	3200	3100	3100	3500	3500	4200	4300	---
Selenium, Total	ND	ND	ND	ND	0.37 J	0.78	0.59 J	1.3
Silver, Total	2.3	2.1	2.3	2.5	2.4	2.5	2.7	4.4
Sodium, Total	280	230	240	250	230	400	220	---
Thallium, Total	1.1	1.1	1.1	1.2	1.1	1.2	0.96	2.6
Vanadium, Total	22	20	22	24	24	24	24	550
Zinc, Total	45	44	86	52	50	58	60	5100
<b>TCLP Metals (mg/l)</b>								
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.24 J	0.086 J	0.28 J	0.24 J	0.39 J	0.42 J	0.63	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.023 J	0.031	0.015 J	0.023 J	0.015 J	0.018 J	0.018 J	1
Copper, TCLP	ND	0.013 J	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.7	1.7	1.7	1.9	1.7	1.7	1.7	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.057	0.067	0.041	0.056	0.04	0.047	0.048	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.021 J	ND	ND	ND	ND	ND	0.031 J	5
<b>SPLP Metals (mg/l)</b>								
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	ND	ND	ND	ND	ND	ND	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005 J	0.005 J	0.005
Chromium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, SPLP	ND	ND	ND	ND	0.31 J	ND	ND	5
Lead, SPLP	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, SPLP	0.03	0.03	0.014 J	0.026	0.011 J	0.027	0.025	0.15
Mercury, SPLP	ND	0.0002 J	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	0.027 J	ND	ND	ND	ND	5

**Notes:**

--- not applicable or value not available.

<sup>A</sup> - 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.

J - Estimated concentration.

F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.

F2 - MS/MSD Relative Percent Differenc (RPD) exceeds control limits.

ND - Constituent not detected above the reporting limit.

<sup>^</sup> - Instrument related Quality Control (QC) is outside acceptance limits.

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

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-89	ROW-89	ROW-90	ROW-90	ROW-90	ROW-90	ROW-90	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/4/2019	10/4/2019	10/3/2019	10/3/2019	10/3/2019	10/3/2019	10/3/2019	
Sampled Interval	22 - 30	30 - 35	5 - 10	10 - 15	15 - 20	20 - 26	26 - 32	
Field Sample ID	ROW-89 (22-30)-100419	ROW-89 (30-35)-100419	ROW-90 (5-10)-100319	ROW-90 (10-15)-100319	ROW-90 (15-20)-100319	ROW-90 (20-26)-100319	ROW-90 (26-32)-100319	
Lab Sample ID	500-171274-7	500-171274-8	500-171265-1	500-171265-2	500-171265-3	500-171265-4	500-171265-5	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	7.9	7.9	8.3	8.2	7.9	7.6	8	<6.25, >9.0
<b>VOCs (mg/kg)</b>								
Acetone	ND	ND	ND	ND	ND	ND	ND	25
Carbon disulfide	ND	ND	0.0073	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>								
2-Methylnaphthalene	0.039 J	0.034 J	0.029 J	ND	0.018 J	0.04 J	0.019 J	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	0.0098 J	0.011 J	0.035 J	ND	0.009 J	0.024 J	0.0071 J	570
Acenaphthylene	ND	ND	ND	ND	ND	ND	0.01 J	---
Anthracene	ND	ND	0.052	ND	ND	0.032 J	ND	12000
Benzo(a)anthracene	ND	ND	0.096	0.011 J	ND	0.076	0.036 J	0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.015 J	0.015 J	0.097	0.019 J	ND	0.067	0.043	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	ND	0.093	0.019 J	ND	0.084	0.048	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.014 J	0.013 J	0.041 J	0.013 J	ND	0.023 J	0.031 J	---
Benzo(k)fluoranthene	ND	ND	0.045 J	ND	ND	0.032 J	0.016 J	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	46
Carbazole	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	0.021 J	0.021 J	0.1	0.023 J	ND	0.094	0.045	88.00001
Dibenzo(a,h)anthracene	ND	ND	0.017 J	ND	ND	0.013 J	0.012 J	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	ND	ND	0.19 J	0.018 J	ND	0.16	0.037 J	3100
Fluorene	0.0069 J	0.0073 J	0.037 J	ND	ND	0.019 J	ND	560
Indeno(1,2,3-cd)pyrene	0.011 J	0.011 J	0.04 J	ND	ND	0.023 J	0.028 J	0.9 / 0.9 / 1.6
Naphthalene, SVOC	ND	ND	0.056	ND	ND	0.02 J	0.0071 J	1.8
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	1
Phenanthrene	0.11	0.092	0.25	0.061	0.075	0.28	0.07	---
Pyrene	0.016 J	0.017 J	0.18 J	0.027 J	ND	0.15	0.057	2300
<b>Total Metals (mg/kg)</b>								
Antimony, Total	ND	ND	ND	ND	ND	ND	ND	5
Arsenic, Total	7.4	9.8	5.6	6	8	7.2	6.7	11.3 / 13
Barium, Total	44	41	42	36	38	37	44	1500
Beryllium, Total	0.73	0.79	0.78	0.73	0.72	0.69	0.74	22
Cadmium, Total	0.17 J	0.19 J	ND	ND	ND	ND	ND	5.2
Calcium, Total	57000 B	50000 B	32000 F2B	31000 B	47000 B	52000 B	61000 B	---
Chromium, Total	17	17	17	17	16	16	17	21
Cobalt, Total	14	16	13	10	15	15	13	20
Copper, Total	28 B	34 B	31 J	34	30	31	26	2900
Iron, Total	20000	21000	18000	20000	19000	19000	19000	15000 / 15900
Lead, Total	13	16	28 J	16	14	14	13	107
Magnesium, Total	23000 B	21000 B	19000	21000	21000	21000	24000	325000
Manganese, Total	330	300	270	290	290	310	630 / 636	---
Mercury, Total	0.02	0.021	0.039	0.021	0.021	0.019	0.019	0.89
Nickel, Total	36	42	39	39	38	38	35	100
Potassium, Total	4200	4000	3700	3500	3300	3200	3600	---
Selenium, Total	0.62	0.74	0.72 J	0.79	0.75	0.97	0.76	1.3
Silver, Total	2.6	2.6	2.6	2.6	2.4	2.3	2.7	4.4
Sodium, Total	210	230	1600	1100	420	290	230	---
Thallium, Total	1	1.3	1.1 J	1.1	1.1	1.1	0.98	2.6
Vanadium, Total	24	24	19	19	19	20	22	550
Zinc, Total	53	60	72 J	56	49	52	56	5100
<b>TCLP Metals (mg/l)</b>								
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.6	0.56	0.076 J	0.078 J	0.37 J	0.31 J	0.42 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	0.0024 J	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.013 J	0.012 J	0.05	0.039	0.019 J	0.02 J	0.015 J	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.6	1.6	3.6	1.3	2	1.9	1.8	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.037	0.033	0.037	0.085	0.046	0.046	0.038	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	0.025 J	0.028 J	0.02 J	ND	ND	5
<b>SPLP Metals (mg/l)</b>								
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	ND	ND	ND	ND	ND	ND	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	0.005 J	0.005 J	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	0.025 J	ND	ND	ND	ND	0.65
Iron, SPLP	0.52	2	ND	ND	ND	ND	ND	5
Lead, SPLP	ND	ND	0.0075 J	ND	ND	ND	ND	0.0075
Manganese, SPLP	ND	0.023 J	ND	0.02 J	0.033	0.035	0.017 J	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	0.05 J	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	0.026 J	0.5 J	0.024 J	ND	ND	0.036 J	5

**Notes:**

--- - not applicable or value not available.

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

<sup>B</sup> - Constituent detected in the laboratory blank and investigative samples.

<sup>J</sup> - Estimated concentration.

F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.

F2 - MS/MSD Relative Percent Differenc (RPD) exceeds control limits.

ND - Constituent not detected above the reporting limit.

<sup>^</sup> - Instrument related Quality Control (QC) is outside acceptance limits.

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

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-90	ROW-90	ROW-90	ROW-90	ROW-90	ROW-90	ROW-91	ROW-91	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/3/2019	10/3/2019	10/3/2019	10/4/2019	10/4/2019	10/4/2019	10/7/2019	10/7/2019	
Sampled Interval	32 - 40	40 - 48	40 - 48	48 - 56	56 - 64	64 - 72	0 - 4	4 - 10	
Field Sample ID	ROW-90 (32-40)-100319	ROW-90 (40-48)-100319D	ROW-90 (40-48)-100319	ROW-90 (48-56)-100419	ROW-90 (56-64)-100419	ROW-90 (64-68)-100419	ROW-91(0-4)-100719	ROW-91(4-10)-100719	
Lab Sample ID	500-171265-6	500-171265-8	500-171265-7	500-171265-9	500-171265-10	500-171265-11	500-171327-13	500-171327-14	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	7.8	8	8	8.4	8.2	8.2	8.2	7.8	<6.25, >9.0
<b>VOCs (mg/kg)</b>									
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>									
2-Methylnaphthalene	0.023 J	0.017 J	0.027 J	0.016 J	0.014 J	0.013 J	0.031 J	0.089	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	0.0092 J	0.011 J	0.013 J	ND	ND	ND	0.017 J	ND	570
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	---
Anthracene	ND	0.019 J	0.0097 J	ND	ND	ND	ND	ND	12000
Benzo(a)anthracene	0.016 J	0.082	0.021 J	0.013 J	ND	ND	ND	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.023 J	0.09	0.033 J	ND	ND	ND	ND	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.028 J	0.071	0.023 J	ND	0.013 J	ND	ND	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.013 J	0.037 J	0.017 J	ND	ND	ND	ND	0.022 J	---
Benzo(k)fluoranthene	ND	0.029 J	ND	ND	ND	ND	ND	ND	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	46
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	0.029 J	0.087	0.037 J	ND	0.012 J	ND	0.031 J	0.043	88.00001
Dibenzo(a,h)anthracene	ND	0.018 J	0.0095 J	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	0.028 J	0.16 J	0.045 J	ND	ND	ND	0.013 J	ND	3100
Fluorene	0.0066 J	0.01 J	0.01 J	ND	ND	ND	0.0091 J	ND	560
Indeno(1,2,3-cd)pyrene	0.014 J	0.037 J	0.016 J	ND	ND	ND	ND	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	ND	0.0078 J	ND	ND	ND	ND	0.012 J	ND	1.8
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	1
Phenanthrene	0.092	0.15	0.12	0.056	0.038 J	0.042	0.12	0.21	---
Pyrene	0.036 J	0.16 J	0.056 J	ND	0.01 J	ND	0.032 J	ND	2300
<b>Total Metals (mg/kg)</b>									
Antimony, Total	ND	ND	ND	ND	ND	ND	0.74 J	0.55 J	5
Arsenic, Total	7	8	7.6	7	7	7.3	8.7	7.6	11.3 / 13
Barium, Total	39	40	40	44	42	40	33	35	1500
Beryllium, Total	0.69	0.69	0.67	0.71	0.7	0.64	0.64	0.75	22
Cadmium, Total	ND	ND	ND	ND	ND	ND	0.19 B	0.35 B	5.2
Calcium, Total	61000 B	56000 B	56000 B	59000 B	61000 B	55000 B	62000 B	37000 B	---
Chromium, Total	16	17	16	17	17	17	13	16	21
Cobalt, Total	14	15	14	14	14	14	15	15	20
Copper, Total	27	29	27	28	25	27	44	33	2900
Iron, Total	19000	19000	19000	19000	19000	19000	22000	20000	15000 / 15900
Lead, Total	13	16	14	15	13	13	30	15	107
Magnesium, Total	24000	22000	23000	24000	23000	23000	26000	20000	325000
Manganese, Total	320	290	310	320	300	310	370	310	630 / 636
Mercury, Total	0.019 J	0.021	0.018 J	0.02	0.021	0.017 J	0.02	0.02	0.89
Nickel, Total	35	38	37	37	36	36	38	39	100
Potassium, Total	3000	3200	2900	3300	3200	3000	2500	3000	---
Selenium, Total	0.82	0.79	0.56 J	0.56 J	1	0.76	ND	ND	1.3
Silver, Total	3.1	2.5	2.4	2.4	2.6	2.4	1.9	2.3	4.4
Sodium, Total	210	230	210	220	220	210	390	320	---
Thallium, Total	1.2	1.2	0.95	0.82	0.99	0.89	1.6	2.2	2.6
Vanadium, Total	19	21	19	21	21	19	15	19	550
Zinc, Total	53	52	52	53	51	59	67	87 B	5100
<b>TCLP Metals (mg/l)</b>									
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.44 J	0.47 J	0.5	0.59	0.6	0.57	0.61	0.6	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.015 J	0.015 J	0.013 J	0.013 J	0.013 J	0.012 J	0.028	0.018 J	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	0.01 J	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.9	1.8	1.8	1.9	1.8	1.7	1.9	1.8	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.04	0.037	0.029	0.031	0.031	0.029	0.072	0.048	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.022 J	ND	ND	ND	ND	0.054 J	0.02 JB	0.047 JB	5
<b>SPLP Metals (mg/l)</b>									
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	ND	ND	ND	0.11 J	0.063 J	0.052 J	ND	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	ND	0.031	0.011 J	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	0.011 J	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	ND	0.014 J	ND	ND	ND	ND	0.65
Iron, SPLP	0.26 J	0.49	1.2	1.8	5.9	4.6	1	0.41	5
Lead, SPLP	ND	ND	ND	0.0092	ND	ND	ND	ND	0.0075
Manganese, SPLP	0.014 J	0.011 J	0.018 J	0.18	0.06	0.046	0.021 J	0.025	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	ND	0.026	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	0.025 J	0.041 J	ND	0.038 J	0.032 J	0.036 J	5

**Notes:**

- not applicable or value not available.
- <sup>A</sup> - 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.
- J - Estimated concentration.
- F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.
- F2 - MS/MSD Relative Percent Difference (RPD) exceeds control limits.
- ND - Constituent not detected above the reporting limit.
- <sup>^</sup> - Instrument related Quality Control (QC) is outside acceptance limits.
- Shaded values indicate concentration **exceeds** Reference Concentration.

**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-91	ROW-91	ROW-91	ROW-93	ROW-93	ROW-93	ROW-93	ROW-93	ROW-93	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/7/2019	10/7/2019	10/7/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019	10/10/2019	
Sampled Interval	10 - 16	16 - 22	22 - 30	0 - 4	4 - 10	10 - 15	10 - 15	10 - 15	15 - 20	
Field Sample ID	ROW-91(10-16)-100719	ROW-91(16-22)-100719	ROW-91(22-30)-100719	ROW-93(0-4)-101019	ROW-93(4-10)-101019	ROW-93(10-15)-101019D	ROW-93(10-15)-101019	ROW-93(15-20)-101019	ROW-93(15-20)-101019	
Lab Sample ID	500-171327-15	500-171327-16	500-171327-17	500-171579-8	500-171579-9	500-171579-11	500-171579-10	500-171579-12	500-171579-12	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	8	7.9	8.4	8.3	7.8	7.9	7.7	8.1	8.1	<6.25, >9.0
<b>VOCs (mg/kg)</b>										
Acetone	ND	ND	ND	ND	0.0083 J	ND	0.0079 J	ND	ND	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>										
2-Methylnaphthalene	0.055 J	0.066 J	0.043 J	0.036 J	0.04 J	0.024 J	0.021 J	0.027 J	0.027 J	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	0.014 J	0.014 J	0.0089 J	0.0073 J	0.011 J	0.011 J	570
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	12000
Benzo(a)anthracene	ND	ND	ND	0.024 J	0.0058 J	ND	ND	ND	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	ND	ND	ND	0.055	0.018 J	ND	ND	ND	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	ND	ND	0.039	ND	ND	ND	ND	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.018 J	0.035 J	0.023 J	0.018 J	0.025 J	ND	0.022 J	0.014 J	0.014 J	---
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	0.073 J	ND	ND	ND	ND	ND	46
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	0.026 J	0.039 J	0.026 J	0.036 J	0.034 J	0.016 J	0.03 J	0.023 J	0.023 J	88.0001
Dibenzo(a,h)anthracene	ND	ND	ND	0.013 J	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	ND	0.018 J	ND	0.051	ND	ND	ND	ND	ND	3100
Fluorene	0.0077 J	0.014 J	ND	0.0086 J	0.0087 J	ND	0.0072 J	0.0073 J	0.0073 J	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.043	ND	ND	ND	ND	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	ND	ND	ND	0.0094 J	0.015 J	0.01 J	0.0082 J	0.0092 J	0.0092 J	1.8
N-Nitrosodiphenylamine	ND	ND	ND	0.11 J	0.052 J	ND	ND	ND	ND	1
Phenanthrene	0.093	0.15	0.1	0.12	0.13	0.064	0.099	0.095	0.095	---
Pyrene	ND	0.035 J	ND	0.04	0.03 J	0.014 J	0.021 J	0.021 J	0.021 J	2300
<b>Total Metals (mg/kg)</b>										
Antimony, Total	0.66 J	0.57 J	0.68 J	ND	ND	ND	ND	ND	ND	5
Arsenic, Total	7.7	7	6.6	7.7	8.1	7.7	7.5	7.4	7.4	11.3 / 13
Barium, Total	37	38	39	37	40	35	35	36	36	1500
Beryllium, Total	0.65	0.74	0.68	0.66	0.66	0.63	0.62	0.6	0.6	22
Cadmium, Total	0.11 B	0.12 B	0.1 JB	0.15 J	0.12 J	0.12 J	0.18 J	0.15 J	0.15 J	5.2
Calcium, Total	64000 B	59000 B	58000 B	43000 B	53000 B	58000 B	65000 B	62000 B	62000 B	---
Chromium, Total	15	17	16	15	15	14	14	14	14	21
Cobalt, Total	14	14	13	15	15	14	14	13	13	20
Copper, Total	27	38	26	33	29	29	37	30	30	2900
Iron, Total	19000	21000	19000	19000	19000	19000	20000	19000	19000	15000 / 15900
Lead, Total	12	13	14	32	13	13	15	13	13	107
Magnesium, Total	24000	22000	23000	19000	23000	25000	26000	28000	28000	325000
Manganese, Total	370	320	320	310	360	360	410	380	380	630 / 636
Mercury, Total	0.017 J	0.019 J	0.021	0.02	0.014 J	0.019	0.014 J	0.016 J	0.016 J	0.89
Nickel, Total	35	35	33	38	37	36	37	34	34	100
Potassium, Total	2600	2900	2900	2800	2900	2600	2600	2700	2700	---
Selenium, Total	ND	ND	ND	0.91	0.79	1	1.1	0.93	0.93	1.3
Silver, Total	2.3	2.4	2.4	2.3	2.4	2.3	2.2	2.2	2.2	4.4
Sodium, Total	200	220	220	480	360	250	230	230	230	---
Thallium, Total	1.7	1.1	1.6	0.9	0.95	0.73	0.82	0.63	0.63	2.6
Vanadium, Total	18	19	19	17	17	17	16	16	16	550
Zinc, Total	51 B	56 B	50 B	47	45	45	57	49	49	5100
<b>TCLP Metals (mg/l)</b>										
Arsenic, TCLP	ND	ND	ND	ND	ND	0.013 J	ND	ND	ND	0.05
Barium, TCLP	0.7	0.67	0.63	0.41 J	0.43 J	0.38 J	0.41 J	0.44 J	0.44 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.012 J	0.011 J	0.012 J	0.025	0.014 J	0.019 J	0.018 J	0.012 J	0.012 J	1
Copper, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	0.2 J	ND	ND	ND	0.28 J	0.22 J	0.24 J	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.6	1.7	1.6	2	1.8	1.6	1.8	1.8	1.8	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.036	0.032	0.033	0.062	0.042	0.046	0.046	0.034	0.034	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
<b>SPLP Metals (mg/l)</b>										
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	ND	0.051 J	0.063 J	ND	ND	ND	ND	ND	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	0.005 J	0.005 J	0.005 J	0.005 J	0.005 J	0.005 J	0.005
Chromium, SPLP	ND	ND	0.01 J	ND	ND	ND	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, SPLP	0.73	4.4	6.7	ND	0.32 J	ND	0.23 J	0.48	0.48	5
Lead, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, SPLP	0.017 J	0.046	0.073	0.037	0.023 J	0.024 J	0.021 J	0.021 J	0.021 J	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	ND	0.01 J	ND	ND	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	0.038 J	0.088 J	0.11 J	ND	ND	0.021 J	ND	ND	5

**Notes:**

- - not applicable or value not available.
- <sup>A</sup> - 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.
- J - Estimated concentration.
- F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.
- F2 - MS/MSD Relative Percent Difference (RPD) exceeds control limits.
- ND - Constituent not detected above the reporting limit.
- <sup>^</sup> - Instrument related Quality Control (QC) is outside acceptance limits.
- Shaded values indicate concentration **exceeds** Reference Concentration.





**Summary Table of ISGS Site No. 2615V2-1**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	ROW-96	ROW-96	ROW-97	ROW-97	ROW-97	ROW-98	ROW-98	ROW-99	Soil Reference Concentrations <sup>Δ</sup>
Sample Date	10/4/2019	10/4/2019	10/7/2019	10/7/2019	10/7/2019	10/7/2019	10/7/2019	10/6/2019	
Sampled Interval	0 - 4	4 - 8	0 - 4	4 - 8	4 - 8	0 - 4	4 - 7	0 - 4	
Field Sample ID	ROW-96 (0-4)-100419	ROW-96 (4-8)-100419	ROW-97(0-4)-100719	ROW-97(4-8)-100719D	ROW-97(4-8)-100719	ROW-98(0-4)-100719	ROW-98(4-7)-100719	ROW-99(0-4)-100619	
Lab Sample ID	500-171274-3	500-171274-4	500-171327-18	500-171327-20	500-171327-19	500-171328-1	500-171328-2	500-171327-11	
ISGS Site Number	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	2615V2-1	
Laboratory pH (s.u.)	7.6	7.7	7.8	7.8	7.6	8.2	8.2	8.9	<6.25, >9.0
<b>VOCs (mg/kg)</b>									
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	25
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	9
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	---
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.02
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	12
<b>SVOCs (mg/kg)</b>									
2-Methylnaphthalene	0.034 J	0.043 J	0.013 J	0.1	0.042 J	ND	ND	0.031 J	---
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	---
Acenaphthene	0.018 J	ND	0.012 J	0.022 J	ND	ND	ND	0.059 J	570
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	0.069 J	---
Anthracene	0.023 J	ND	0.13	ND	0.0096 J	0.046 ND	ND	0.18	12000
Benzo(a)anthracene	0.092	ND	0.037 J	ND	ND	0.18 B	ND	0.89	0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.1	0.018 J	0.034 J	ND	ND	0.19 B	ND	0.82	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.12	ND	0.036 J	ND	ND	0.21 B	ND	1.1	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.058	0.018 J	0.018 J	ND	0.02 J	0.076	0.02 J	0.6	---
Benzo(k)fluoranthene	0.044	ND	ND	ND	ND	0.093	ND	0.45	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	46
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	0.6
Chrysene	0.13	0.037 J	0.057	ND	0.038 J	0.17 B	ND	0.9	88,00001
Dibenzo(a,h)anthracene	0.014 J	ND	ND	ND	ND	ND	ND	0.18	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	0.065 J	ND	ND	0.065 J	ND	ND	---
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	470
Fluoranthene	0.16	0.0097 J	0.47	0.0086 J	ND	0.32 B	ND	1.4	3100
Fluorene	0.012 J	0.0087 J	0.025 J	0.013 J	0.012 J	ND	ND	0.064 J	560
Indeno(1,2,3-cd)pyrene	0.049	ND	ND	ND	ND	ND	ND	0.51	0.9 / 0.9 / 1.6
Naphthalene, SVOC	0.015 J	0.018 J	ND	ND	ND	ND	ND	0.06 J	1.8
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	1
Phenanthrene	0.21	0.15	0.12	0.2	0.13	0.28 B	0.14 B	0.94	---
Pyrene	0.18	0.024 J	0.31	0.032 J	ND	0.3 B	ND	1.4	2300
<b>Total Metals (mg/kg)</b>									
Antimony, Total	ND	ND	0.84 J	0.58 J	0.64 J	ND	ND	0.85 J	5
Arsenic, Total	7.9	8.4	7	10	6.6	7.5	6.9	8	11.3 / 13
Barium, Total	45	40	37	34	36	41	39	71	1500
Beryllium, Total	0.78	0.83	0.74	0.76	0.73	0.85	0.84	0.77	22
Cadmium, Total	0.21 J	0.17 J	0.09 JB	0.12 B	0.14 B	0.15 J	ND	0.27 B	5.2
Calcium, Total	48000 B	35000 B	59000 B	35000 B	55000 B	44000 B	47000 B	48000 B	---
Chromium, Total	18	17	16	16	16	19	18	17	21
Cobalt, Total	13	15	13	17	13	15	14	14	20
Copper, Total	38 B	36 B	25	41	31	32	31	45	2900
Iron, Total	20000	21000	20000	22000	19000	20000	20000	20000	15000 / 15900
Lead, Total	20	15	12	17	15	18	14	72	107
Magnesium, Total	21000 B	20000 B	24000	19000	24000	19000	20000	21000	325000
Manganese, Total	290	320	330	320	300	300	310	310	630 / 636
Mercury, Total	0.037	0.021	0.018 J	0.022	0.023	0.028	0.028	0.12	0.89
Nickel, Total	38	40	33	43	36	38	37	35	100
Potassium, Total	4500	4500	3000	2600	2800	4600	4300	2500	---
Selenium, Total	1	0.78	ND	ND	ND	ND	ND	ND	1.3
Silver, Total	2.7	2.7	2.3	2.1	2.2	2.7	2.7	2.6	4.4
Sodium, Total	490	350	200	380	540	370	380	710	---
Thallium, Total	0.93	1	1.7	1.8	1.6	1.5	1.5	1.5	2.6
Vanadium, Total	24	24	19	18	18	24	24	20	550
Zinc, Total	59	48	54 B	53 B	49 B	65	53	120	5100
<b>TCLP Metals (mg/l)</b>									
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	0.011 J	ND	0.05
Barium, TCLP	0.26 J	0.56	0.56	0.55	0.59	0.5	0.46 J	0.57	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	0.0024 J	ND	ND	0.0032 J	ND	0.0031 J	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.032	0.02 J	0.017 J	0.019 J	0.021 J	0.035	0.018 J	ND	1
Copper, TCLP	0.012 J	ND	0.011 J	ND	0.01 J	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	0.2 J	0.2 J	0.2 J	ND	5
Lead, TCLP	ND	0.009	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	2.1	1.9	1.6	1.9	1.8	2.2	1.8	0.63	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.072	0.053	0.03	0.044	0.048	0.084	0.051	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	0.024 J	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.12 J	0.11 J	ND	ND	ND	ND	ND	0.076 JB	5
<b>SPLP Metals (mg/l)</b>									
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	0.072	0.05
Barium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.57	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.0083	0.004
Cadmium, SPLP	0.005 J	0.005 J	ND	ND	ND	0.005 J	0.11 ND	0.0022 J	0.005
Chromium, SPLP	ND	ND	ND	ND	ND	ND	ND	0.15	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	ND	ND	0.076	1
Copper, SPLP	ND	ND	ND	ND	ND	ND	ND	0.32	0.65
Iron, SPLP	ND	ND	1.7	ND	0.28 J	0.59	0.23 J	160	5
Lead, SPLP	ND	ND	ND	ND	ND	ND	ND	0.51	0.0075
Manganese, SPLP	0.032	0.035	0.018 J	0.021 JF1	0.02 J	0.016 J	0.019 J	0.98	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	0.00022	0.002
Nickel, SPLP	ND	ND	ND	ND	ND	ND	ND	0.23	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	0.014 J	0.05
Zinc, SPLP	ND	0.052 J	0.028 J	0.05 JF1	0.03 J	ND	0.036 J	0.95	5

**Notes:**

--- - not applicable or value not available.

<sup>Δ</sup> - 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.

J - Estimated concentration.

F1 - Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.

F2 - MS/MSD Relative Percent Differenc (RPD) exceeds control limits.

ND - Constituent not detected above the reporting limit.

<sup>Δ</sup> - 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: 500-170912-1  
Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
10/9/2019 4:30:44 PM

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

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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

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

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

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(7-10)-092919**

**Lab Sample ID: 500-170912-1**

**Date Collected: 09/29/19 23:00**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 91.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Acetone	<0.016		0.016	0.0071	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Carbon disulfide	<0.0041		0.0041	0.00084	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 18:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	09/30/19 17:30	10/07/19 18:47	1
4-Bromofluorobenzene (Surr)	98		75 - 131	09/30/19 17:30	10/07/19 18:47	1
Dibromofluoromethane	89		75 - 126	09/30/19 17:30	10/07/19 18:47	1
Toluene-d8 (Surr)	93		75 - 124	09/30/19 17:30	10/07/19 18:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(7-10)-092919**

**Lab Sample ID: 500-170912-1**

**Date Collected: 09/29/19 23:00**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 91.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
2,4-Dinitrophenol	<0.73	*	0.73	0.64	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Carbazole	<0.18	*	0.18	0.091	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(7-10)-092919**

**Lab Sample ID: 500-170912-1**

Date Collected: 09/29/19 23:00

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 91.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0094	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	10/04/19 16:18	10/07/19 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	41		31 - 143	10/04/19 16:18	10/07/19 19:10	1
2-Fluorobiphenyl	93		43 - 145	10/04/19 16:18	10/07/19 19:10	1
2-Fluorophenol	110		31 - 166	10/04/19 16:18	10/07/19 19:10	1
Nitrobenzene-d5	87		37 - 147	10/04/19 16:18	10/07/19 19:10	1
Phenol-d5	99		30 - 153	10/04/19 16:18	10/07/19 19:10	1
Terphenyl-d14	114		42 - 157	10/04/19 16:18	10/07/19 19:10	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 12:05	1
Barium	<0.50		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 12:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 12:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 12:05	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:05	1
Cobalt	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:05	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:05	1
Iron	0.34	J	0.40	0.20	mg/L		10/08/19 08:52	10/09/19 12:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 12:05	1
Manganese	0.25		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:05	1
Nickel	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:05	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:52	10/09/19 12:05	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:05	1
Zinc	<0.50		0.50	0.020	mg/L		10/08/19 08:52	10/09/19 12:05	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 16:14	10/08/19 13:56	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:14	10/08/19 13:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 13:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 13:56	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 13:56	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 13:56	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 13:56	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 13:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 13:56	1
Manganese	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 13:56	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 13:56	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 13:56	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(7-10)-092919**

**Lab Sample ID: 500-170912-1**

Date Collected: 09/29/19 23:00

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 91.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 13:56	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 13:56	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.57</b>	<b>J</b>	1.0	0.20	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
<b>Arsenic</b>	<b>0.82</b>		0.51	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
<b>Barium</b>	<b>1.8</b>		0.51	0.058	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
<b>Beryllium</b>	<b>0.068</b>	<b>J</b>	0.20	0.048	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
Cadmium	<0.10		0.10	0.018	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
<b>Calcium</b>	<b>220000</b>		100	17	mg/Kg	☼	10/07/19 10:37	10/09/19 09:12	10
<b>Chromium</b>	<b>1.0</b>		0.51	0.25	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
<b>Cobalt</b>	<b>0.69</b>		0.26	0.067	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
<b>Copper</b>	<b>0.89</b>	<b>B</b>	0.51	0.14	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
<b>Iron</b>	<b>1400</b>		10	5.3	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
<b>Lead</b>	<b>1.4</b>		0.26	0.12	mg/Kg	☼	10/07/19 10:37	10/08/19 13:14	1
<b>Magnesium</b>	<b>140000</b>	<b>B</b>	51	25	mg/Kg	☼	10/07/19 10:37	10/09/19 09:12	10
<b>Manganese</b>	<b>100</b>		0.51	0.074	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
<b>Nickel</b>	<b>1.8</b>		0.51	0.15	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
<b>Potassium</b>	<b>430</b>		26	9.1	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
Selenium	<0.51		0.51	0.30	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
<b>Silver</b>	<b>0.30</b>		0.26	0.066	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
<b>Sodium</b>	<b>1100</b>		51	7.6	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
Thallium	<0.51		0.51	0.26	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
<b>Vanadium</b>	<b>1.0</b>		0.26	0.060	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1
<b>Zinc</b>	<b>1.4</b>	<b>B</b>	1.0	0.45	mg/Kg	☼	10/07/19 10:37	10/08/19 03:25	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 07:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:05	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.017		0.017	0.0058	mg/Kg	☼	10/03/19 14:35	10/04/19 09:25	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	<b>8.5</b>		0.2	0.2	SU			10/04/19 17:18	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(10-15)-092919**

**Lab Sample ID: 500-170912-2**

**Date Collected: 09/29/19 23:10**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 78.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Acetone	<0.018		0.018	0.0079	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	09/30/19 17:30	10/07/19 19:13	1
4-Bromofluorobenzene (Surr)	101		75 - 131	09/30/19 17:30	10/07/19 19:13	1
Dibromofluoromethane	91		75 - 126	09/30/19 17:30	10/07/19 19:13	1
Toluene-d8 (Surr)	95		75 - 124	09/30/19 17:30	10/07/19 19:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(10-15)-092919**

**Lab Sample ID: 500-170912-2**

Date Collected: 09/29/19 23:10

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 78.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.42		0.42	0.096	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
2,4,6-Trichlorophenol	<0.42		0.42	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
2,4-Dichlorophenol	<0.42		0.42	0.10	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
2,4-Dinitrophenol	<0.85	*	0.85	0.74	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
2,4-Dinitrotoluene	<0.21		0.21	0.067	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
2,6-Dinitrotoluene	<0.21		0.21	0.083	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
2-Chloronaphthalene	<0.21		0.21	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
2-Chlorophenol	<0.21		0.21	0.072	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
<b>2-Methylnaphthalene</b>	<b>0.065</b>	<b>J</b>	0.085	0.0077	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
2-Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
2-Nitroaniline	<0.21		0.21	0.057	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
2-Nitrophenol	<0.42		0.42	0.099	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
3 & 4 Methylphenol	<0.21		0.21	0.070	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.059	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
4,6-Dinitro-2-methylphenol	<0.85		0.85	0.34	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.056	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
4-Chloroaniline	<0.85		0.85	0.20	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
4-Nitrophenol	<0.85		0.85	0.40	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
<b>Acenaphthene</b>	<b>0.025</b>	<b>J</b>	0.042	0.0076	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Acenaphthylene	<0.042		0.042	0.0056	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Anthracene	<0.042		0.042	0.0070	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
<b>Benzo[a]anthracene</b>	<b>0.040</b>	<b>J</b>	0.042	0.0057	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Benzo[a]pyrene	<0.042		0.042	0.0081	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Benzo[b]fluoranthene	<0.042		0.042	0.0091	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
<b>Benzo[g,h,i]perylene</b>	<b>0.023</b>	<b>J</b>	0.042	0.014	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Benzo[k]fluoranthene	<0.042		0.042	0.012	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.077	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Butyl benzyl phthalate	<0.21		0.21	0.080	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Carbazole	<0.21	*	0.21	0.11	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Chrysene	<0.042		0.042	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0081	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Di-n-octyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
<b>Fluoranthene</b>	<b>0.020</b>	<b>J</b>	0.042	0.0078	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Fluorene	<0.042		0.042	0.0059	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Hexachlorobenzene	<0.085		0.085	0.0098	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Hexachlorocyclopentadiene	<0.85		0.85	0.24	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Hexachloroethane	<0.21		0.21	0.064	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(10-15)-092919**

**Lab Sample ID: 500-170912-2**

Date Collected: 09/29/19 23:10

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 78.4

## 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	<0.042		0.042	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
<b>Naphthalene</b>	<b>0.016</b>	<b>J</b>	0.042	0.0065	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Nitrobenzene	<0.042		0.042	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
N-Nitrosodi-n-propylamine	<0.085		0.085	0.051	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
N-Nitrosodiphenylamine	<0.21		0.21	0.050	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Pentachlorophenol	<0.85		0.85	0.68	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
<b>Phenanthrene</b>	<b>0.15</b>		0.042	0.0059	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
Phenol	<0.21		0.21	0.094	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1
<b>Pyrene</b>	<b>0.029</b>	<b>J</b>	0.042	0.0084	mg/Kg	☼	10/04/19 16:18	10/07/19 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	44		31 - 143	10/04/19 16:18	10/07/19 19:38	1
2-Fluorobiphenyl	84		43 - 145	10/04/19 16:18	10/07/19 19:38	1
2-Fluorophenol	107		31 - 166	10/04/19 16:18	10/07/19 19:38	1
Nitrobenzene-d5	76		37 - 147	10/04/19 16:18	10/07/19 19:38	1
Phenol-d5	93		30 - 153	10/04/19 16:18	10/07/19 19:38	1
Terphenyl-d14	101		42 - 157	10/04/19 16:18	10/07/19 19:38	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 12:09	1
<b>Barium</b>	<b>0.59</b>		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 12:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 12:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 12:09	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:09	1
<b>Cobalt</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:09	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:09	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 12:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 12:09	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:09	1
<b>Nickel</b>	<b>0.035</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:09	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:52	10/09/19 12:09	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:09	1
<b>Zinc</b>	<b>0.022</b>	<b>J B</b>	0.50	0.020	mg/L		10/08/19 08:52	10/09/19 12:09	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 16:14	10/08/19 14:00	1
<b>Barium</b>	<b>0.066</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:14	10/08/19 14:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 14:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 14:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:00	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:00	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:00	1
<b>Iron</b>	<b>2.6</b>		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 14:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 14:00	1
<b>Manganese</b>	<b>0.031</b>		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:00	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 14:00	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(10-15)-092919**

**Lab Sample ID: 500-170912-2**

Date Collected: 09/29/19 23:10

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 78.4

**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 16:14	10/08/19 14:00	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 14:00	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.64	J	1.2	0.24	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Arsenic	8.3		0.62	0.21	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Barium	43		0.62	0.071	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Beryllium	0.81		0.25	0.058	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Cadmium	0.24		0.12	0.022	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Calcium	56000		62	11	mg/Kg	☼	10/07/19 10:37	10/08/19 14:53	5
Chromium	18		0.62	0.31	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Cobalt	13		0.31	0.081	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Copper	30	B	0.62	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Iron	20000		12	6.5	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Lead	15		0.31	0.14	mg/Kg	☼	10/07/19 10:37	10/08/19 13:19	1
Magnesium	24000	B	6.2	3.1	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Manganese	320		0.62	0.090	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Nickel	36		0.62	0.18	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Potassium	4200		31	11	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Selenium	<0.62		0.62	0.37	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Silver	2.4		0.31	0.080	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Sodium	610		62	9.2	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Thallium	1.9		0.62	0.31	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Vanadium	24		0.31	0.073	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1
Zinc	48	B	1.2	0.55	mg/Kg	☼	10/07/19 10:37	10/08/19 03:29	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 07:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:07	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.020	0.0067	mg/Kg	☼	10/03/19 14:35	10/04/19 09:27	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			10/04/19 17:18	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(15-20)-092919**

**Lab Sample ID: 500-170912-3**

**Date Collected: 09/29/19 23:15**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 80.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Acetone	<0.018		0.018	0.0078	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	09/30/19 17:30	10/07/19 19:38	1
4-Bromofluorobenzene (Surr)	104		75 - 131	09/30/19 17:30	10/07/19 19:38	1
Dibromofluoromethane	91		75 - 126	09/30/19 17:30	10/07/19 19:38	1
Toluene-d8 (Surr)	95		75 - 124	09/30/19 17:30	10/07/19 19:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(15-20)-092919**

**Lab Sample ID: 500-170912-3**

Date Collected: 09/29/19 23:15

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
2,4-Dinitrophenol	<0.83	*	0.83	0.73	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
<b>2-Methylnaphthalene</b>	<b>0.053</b>	<b>J</b>	0.083	0.0076	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
<b>Acenaphthene</b>	<b>0.027</b>	<b>J</b>	0.041	0.0074	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
<b>Benzo[g,h,i]perylene</b>	<b>0.022</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
<b>Fluoranthene</b>	<b>0.020</b>	<b>J</b>	0.041	0.0076	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
<b>Fluorene</b>	<b>0.013</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(15-20)-092919**

**Lab Sample ID: 500-170912-3**

Date Collected: 09/29/19 23:15

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
<b>Phenanthrene</b>	<b>0.16</b>		0.041	0.0057	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
<b>Pyrene</b>	<b>0.030</b>	<b>J</b>	0.041	0.0082	mg/Kg	☼	10/04/19 16:18	10/07/19 20:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	51		31 - 143				10/04/19 16:18	10/07/19 20:07	1
2-Fluorobiphenyl	88		43 - 145				10/04/19 16:18	10/07/19 20:07	1
2-Fluorophenol	101		31 - 166				10/04/19 16:18	10/07/19 20:07	1
Nitrobenzene-d5	77		37 - 147				10/04/19 16:18	10/07/19 20:07	1
Phenol-d5	89		30 - 153				10/04/19 16:18	10/07/19 20:07	1
Terphenyl-d14	111		42 - 157				10/04/19 16:18	10/07/19 20:07	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 12:13	1
<b>Barium</b>	<b>0.54</b>		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 12:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 12:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 12:13	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:13	1
<b>Cobalt</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:13	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:13	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 12:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 12:13	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:13	1
<b>Nickel</b>	<b>0.032</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:13	1
<b>Selenium</b>	<b>0.021</b>	<b>J</b>	0.050	0.020	mg/L		10/08/19 08:52	10/09/19 12:13	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:13	1
<b>Zinc</b>	<b>0.020</b>	<b>J B</b>	0.50	0.020	mg/L		10/08/19 08:52	10/09/19 12:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:14	10/08/19 14:04	1
<b>Barium</b>	<b>0.050</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:14	10/08/19 14:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 14:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 14:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:04	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:04	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:04	1
<b>Iron</b>	<b>1.8</b>		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 14:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 14:04	1
<b>Manganese</b>	<b>0.023</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:04	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 14:04	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(15-20)-092919**

**Lab Sample ID: 500-170912-3**

Date Collected: 09/29/19 23:15

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.1

**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 16:14	10/08/19 14:04	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 14:04	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.41	J	1.2	0.23	mg/Kg	☼	10/07/19 10:37	10/08/19 03:42	1
Arsenic	9.0		0.59	0.20	mg/Kg	☼	10/07/19 10:37	10/08/19 03:42	1
Barium	41		0.59	0.067	mg/Kg	☼	10/07/19 10:37	10/08/19 03:42	1
Beryllium	0.72		0.24	0.055	mg/Kg	☼	10/07/19 10:37	10/08/19 03:42	1
Cadmium	0.18		0.12	0.021	mg/Kg	☼	10/07/19 10:37	10/08/19 03:42	1
Calcium	58000		59	10	mg/Kg	☼	10/07/19 10:37	10/08/19 14:57	5
Chromium	18		0.59	0.29	mg/Kg	☼	10/07/19 10:37	10/08/19 13:23	1
Cobalt	13		0.30	0.078	mg/Kg	☼	10/07/19 10:37	10/08/19 03:42	1
Copper	35	B	0.59	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 03:42	1
Iron	21000		12	6.2	mg/Kg	☼	10/07/19 10:37	10/08/19 03:42	1
Lead	14		0.30	0.14	mg/Kg	☼	10/07/19 10:37	10/08/19 13:23	1
Magnesium	25000	B	5.9	2.9	mg/Kg	☼	10/07/19 10:37	10/08/19 03:42	1
Manganese	340		0.59	0.086	mg/Kg	☼	10/07/19 10:37	10/08/19 13:23	1
Nickel	34		0.59	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 03:42	1
Potassium	3700		30	10	mg/Kg	☼	10/07/19 10:37	10/08/19 13:23	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	10/07/19 10:37	10/08/19 03:42	1
Silver	2.1		0.30	0.076	mg/Kg	☼	10/07/19 10:37	10/08/19 03:42	1
Sodium	220		59	8.8	mg/Kg	☼	10/07/19 10:37	10/08/19 13:23	1
Thallium	2.0		0.59	0.30	mg/Kg	☼	10/07/19 10:37	10/08/19 03:42	1
Vanadium	22		0.30	0.070	mg/Kg	☼	10/07/19 10:37	10/08/19 03:42	1
Zinc	49	B	1.2	0.52	mg/Kg	☼	10/07/19 10:37	10/08/19 13:23	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 07:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:08	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018		0.018	0.0061	mg/Kg	☼	10/03/19 14:35	10/04/19 09:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			10/04/19 17:18	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(20-26)-092919**

**Lab Sample ID: 500-170912-4**

**Date Collected: 09/29/19 23:25**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 79.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00079	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
1,2-Dichloropropane	<0.0018		0.0018	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00065	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
2-Hexanone	<0.0046	*	0.0046	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Acetone	<0.018	*	0.018	0.0080	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Bromoform	<0.0018		0.0018	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Carbon disulfide	<0.0046		0.0046	0.00096	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Chlorobenzene	<0.0018		0.0018	0.00068	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Chloroethane	<0.0046	*	0.0046	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Chloroform	<0.0018		0.0018	0.00064	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Chloromethane	<0.0046		0.0046	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Methyl Ethyl Ketone	<0.0046	*	0.0046	0.0020	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Styrene	<0.0018		0.0018	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Tetrachloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00065	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	09/30/19 17:30	10/07/19 13:43	1
4-Bromofluorobenzene (Surr)	92		75 - 131	09/30/19 17:30	10/07/19 13:43	1
Dibromofluoromethane	98		75 - 126	09/30/19 17:30	10/07/19 13:43	1
Toluene-d8 (Surr)	94		75 - 124	09/30/19 17:30	10/07/19 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(20-26)-092919**

**Lab Sample ID: 500-170912-4**

Date Collected: 09/29/19 23:25

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 79.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.095	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
2,4-Dichlorophenol	<0.41		0.41	0.099	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
2,4-Dinitrophenol	<0.84	*	0.84	0.73	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
<b>2-Methylnaphthalene</b>	<b>0.043</b>	<b>J</b>	0.084	0.0077	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
<b>Acenaphthene</b>	<b>0.030</b>	<b>J</b>	0.041	0.0075	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Anthracene	<0.041		0.041	0.0070	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Benzo[a]pyrene	<0.041		0.041	0.0081	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Benzo[b]fluoranthene	<0.041		0.041	0.0090	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0081	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
<b>Fluoranthene</b>	<b>0.023</b>	<b>J</b>	0.041	0.0077	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
<b>Fluorene</b>	<b>0.016</b>	<b>J</b>	0.041	0.0059	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Hexachlorobenzene	<0.084		0.084	0.0097	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(20-26)-092919**

**Lab Sample ID: 500-170912-4**

Date Collected: 09/29/19 23:25

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 79.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
<b>Phenanthrene</b>	<b>0.17</b>		0.041	0.0058	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
Phenol	<0.21		0.21	0.093	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1
<b>Pyrene</b>	<b>0.033</b>	<b>J</b>	0.041	0.0083	mg/Kg	☼	10/04/19 16:18	10/07/19 20:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	44		31 - 143	10/04/19 16:18	10/07/19 20:36	1
2-Fluorobiphenyl	88		43 - 145	10/04/19 16:18	10/07/19 20:36	1
2-Fluorophenol	102		31 - 166	10/04/19 16:18	10/07/19 20:36	1
Nitrobenzene-d5	77		37 - 147	10/04/19 16:18	10/07/19 20:36	1
Phenol-d5	91		30 - 153	10/04/19 16:18	10/07/19 20:36	1
Terphenyl-d14	117		42 - 157	10/04/19 16:18	10/07/19 20:36	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		10/08/19 08:52	10/09/19 12:26	1
<b>Barium</b>	<b>0.57</b>		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 12:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 12:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 12:26	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:26	1
<b>Cobalt</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:26	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:26	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 12:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 12:26	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:26	1
<b>Nickel</b>	<b>0.032</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:26	1
<b>Selenium</b>	<b>0.020</b>	<b>J</b>	0.050	0.020	mg/L		10/08/19 08:52	10/09/19 12:26	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:26	1
<b>Zinc</b>	<b>0.025</b>	<b>J B</b>	0.50	0.020	mg/L		10/08/19 08:52	10/09/19 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:14	10/08/19 14:09	1
<b>Barium</b>	<b>0.059</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:14	10/08/19 14:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 14:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 14:09	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:09	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:09	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:09	1
<b>Iron</b>	<b>2.9</b>		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 14:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 14:09	1
<b>Manganese</b>	<b>0.035</b>		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:09	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:09	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 14:09	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(20-26)-092919**

**Lab Sample ID: 500-170912-4**

Date Collected: 09/29/19 23:25

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 79.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:09	1
<b>Zinc</b>	<b>0.064</b>	<b>J</b>	0.50	0.020	mg/L		10/07/19 16:14	10/08/19 14:09	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.59</b>	<b>J</b>	1.2	0.24	mg/Kg	☼	10/07/19 10:37	10/08/19 03:46	1
<b>Arsenic</b>	<b>8.8</b>		0.61	0.21	mg/Kg	☼	10/07/19 10:37	10/08/19 03:46	1
<b>Barium</b>	<b>38</b>		0.61	0.069	mg/Kg	☼	10/07/19 10:37	10/08/19 03:46	1
<b>Beryllium</b>	<b>0.77</b>		0.24	0.057	mg/Kg	☼	10/07/19 10:37	10/08/19 03:46	1
<b>Cadmium</b>	<b>0.25</b>		0.12	0.022	mg/Kg	☼	10/07/19 10:37	10/08/19 03:46	1
<b>Calcium</b>	<b>72000</b>		61	10	mg/Kg	☼	10/07/19 10:37	10/08/19 15:01	5
<b>Chromium</b>	<b>17</b>		0.61	0.30	mg/Kg	☼	10/07/19 10:37	10/08/19 13:27	1
<b>Cobalt</b>	<b>13</b>		0.30	0.080	mg/Kg	☼	10/07/19 10:37	10/08/19 03:46	1
<b>Copper</b>	<b>32</b>	<b>B</b>	0.61	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 03:46	1
<b>Iron</b>	<b>19000</b>		12	6.3	mg/Kg	☼	10/07/19 10:37	10/08/19 03:46	1
<b>Lead</b>	<b>15</b>		0.30	0.14	mg/Kg	☼	10/07/19 10:37	10/08/19 13:27	1
<b>Magnesium</b>	<b>34000</b>	<b>B</b>	6.1	3.0	mg/Kg	☼	10/07/19 10:37	10/08/19 03:46	1
<b>Manganese</b>	<b>400</b>		0.61	0.088	mg/Kg	☼	10/07/19 10:37	10/08/19 13:27	1
<b>Nickel</b>	<b>33</b>		0.61	0.18	mg/Kg	☼	10/07/19 10:37	10/08/19 03:46	1
<b>Potassium</b>	<b>4000</b>		30	11	mg/Kg	☼	10/07/19 10:37	10/08/19 13:27	1
Selenium	<0.61		0.61	0.36	mg/Kg	☼	10/07/19 10:37	10/08/19 03:46	1
<b>Silver</b>	<b>2.0</b>		0.30	0.078	mg/Kg	☼	10/07/19 10:37	10/08/19 03:46	1
<b>Sodium</b>	<b>230</b>		61	9.0	mg/Kg	☼	10/07/19 10:37	10/08/19 13:27	1
<b>Thallium</b>	<b>1.9</b>		0.61	0.30	mg/Kg	☼	10/07/19 10:37	10/08/19 03:46	1
<b>Vanadium</b>	<b>22</b>		0.30	0.072	mg/Kg	☼	10/07/19 10:37	10/08/19 03:46	1
<b>Zinc</b>	<b>55</b>	<b>B</b>	1.2	0.53	mg/Kg	☼	10/07/19 10:37	10/08/19 13:27	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 07:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:10	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.019</b>		0.019	0.0064	mg/Kg	☼	10/03/19 14:35	10/04/19 09:31	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.4</b>		0.2	0.2	SU			10/04/19 17:18	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(26-32)-092919**

**Lab Sample ID: 500-170912-5**

Date Collected: 09/29/19 23:35

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 79.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
2-Hexanone	<0.0045	*	0.0045	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Acetone	<0.018	*	0.018	0.0079	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Chloroethane	<0.0045	*	0.0045	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Methyl Ethyl Ketone	<0.0045	*	0.0045	0.0020	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	09/30/19 17:30	10/07/19 14:09	1
4-Bromofluorobenzene (Surr)	90		75 - 131	09/30/19 17:30	10/07/19 14:09	1
Dibromofluoromethane	96		75 - 126	09/30/19 17:30	10/07/19 14:09	1
Toluene-d8 (Surr)	96		75 - 124	09/30/19 17:30	10/07/19 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(26-32)-092919**

**Lab Sample ID: 500-170912-5**

Date Collected: 09/29/19 23:35

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 79.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
2,4-Dinitrophenol	<0.83	*	0.83	0.73	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
<b>2-Methylnaphthalene</b>	<b>0.056</b>	<b>J</b>	0.083	0.0076	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
<b>Acenaphthene</b>	<b>0.021</b>	<b>J</b>	0.041	0.0074	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
<b>Benzo[g,h,i]perylene</b>	<b>0.020</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
<b>Fluorene</b>	<b>0.016</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Hexachlorobenzene	<0.083		0.083	0.0096	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(26-32)-092919**

**Lab Sample ID: 500-170912-5**

Date Collected: 09/29/19 23:35

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 79.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.051	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
<b>Phenanthrene</b>	<b>0.15</b>		0.041	0.0058	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
<b>Pyrene</b>	<b>0.031</b>	<b>J</b>	0.041	0.0082	mg/Kg	☼	10/04/19 16:18	10/07/19 21:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	55		31 - 143				10/04/19 16:18	10/07/19 21:04	1
2-Fluorobiphenyl	94		43 - 145				10/04/19 16:18	10/07/19 21:04	1
2-Fluorophenol	132		31 - 166				10/04/19 16:18	10/07/19 21:04	1
Nitrobenzene-d5	86		37 - 147				10/04/19 16:18	10/07/19 21:04	1
Phenol-d5	118		30 - 153				10/04/19 16:18	10/07/19 21:04	1
Terphenyl-d14	117		42 - 157				10/04/19 16:18	10/07/19 21:04	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 12:30	1
<b>Barium</b>	<b>0.56</b>		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 12:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 12:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 12:30	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:30	1
<b>Cobalt</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:30	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:30	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 12:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 12:30	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:30	1
<b>Nickel</b>	<b>0.032</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:30	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:52	10/09/19 12:30	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:30	1
<b>Zinc</b>	<b>0.071</b>	<b>J B</b>	0.50	0.020	mg/L		10/08/19 08:52	10/09/19 12:30	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 16:14	10/08/19 14:13	1
<b>Barium</b>	<b>0.058</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:14	10/08/19 14:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 14:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 14:13	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:13	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:13	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:13	1
<b>Iron</b>	<b>2.3</b>		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 14:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 14:13	1
<b>Manganese</b>	<b>0.027</b>		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:13	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:13	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 14:13	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(26-32)-092919**

**Lab Sample ID: 500-170912-5**

Date Collected: 09/29/19 23:35

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 79.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:13	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 14:13	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.75	J	1.2	0.22	mg/Kg	☼	10/07/19 10:37	10/08/19 03:50	1
Arsenic	7.6		0.58	0.20	mg/Kg	☼	10/07/19 10:37	10/08/19 03:50	1
Barium	44		0.58	0.066	mg/Kg	☼	10/07/19 10:37	10/08/19 03:50	1
Beryllium	0.74		0.23	0.054	mg/Kg	☼	10/07/19 10:37	10/08/19 03:50	1
Cadmium	0.21		0.12	0.021	mg/Kg	☼	10/07/19 10:37	10/08/19 03:50	1
Calcium	61000		58	9.8	mg/Kg	☼	10/07/19 10:37	10/08/19 15:05	5
Chromium	18		0.58	0.29	mg/Kg	☼	10/07/19 10:37	10/08/19 13:31	1
Cobalt	12		0.29	0.075	mg/Kg	☼	10/07/19 10:37	10/08/19 03:50	1
Copper	30	B	0.58	0.16	mg/Kg	☼	10/07/19 10:37	10/08/19 03:50	1
Iron	18000		12	6.0	mg/Kg	☼	10/07/19 10:37	10/08/19 03:50	1
Lead	13		0.29	0.13	mg/Kg	☼	10/07/19 10:37	10/08/19 13:31	1
Magnesium	26000	B	5.8	2.9	mg/Kg	☼	10/07/19 10:37	10/08/19 03:50	1
Manganese	360		0.58	0.084	mg/Kg	☼	10/07/19 10:37	10/08/19 13:31	1
Nickel	32		0.58	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 03:50	1
Potassium	3700		29	10	mg/Kg	☼	10/07/19 10:37	10/08/19 13:31	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	10/07/19 10:37	10/08/19 03:50	1
Silver	2.1		0.29	0.074	mg/Kg	☼	10/07/19 10:37	10/08/19 03:50	1
Sodium	260		58	8.5	mg/Kg	☼	10/07/19 10:37	10/08/19 13:31	1
Thallium	1.7		0.58	0.29	mg/Kg	☼	10/07/19 10:37	10/08/19 03:50	1
Vanadium	20		0.29	0.068	mg/Kg	☼	10/07/19 10:37	10/08/19 03:50	1
Zinc	56	B	1.2	0.51	mg/Kg	☼	10/07/19 10:37	10/08/19 13:31	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 07:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:12	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	J	0.021	0.0069	mg/Kg	☼	10/03/19 14:35	10/04/19 09:34	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			10/04/19 18:13	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(32-40)-092919**

**Lab Sample ID: 500-170912-6**

Date Collected: 09/29/19 23:50

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
1,2-Dichloropropane	<0.0018		0.0018	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
2-Hexanone	<0.0044	*	0.0044	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
<b>Acetone</b>	<b>0.0094</b>	<b>J *</b>	0.018	0.0077	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Bromoform	<0.0018		0.0018	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Chloroethane	<0.0044	*	0.0044	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Ethylbenzene	<0.0018		0.0018	0.00084	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Methyl Ethyl Ketone	<0.0044	*	0.0044	0.0020	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Toluene	<0.0018		0.0018	0.00044	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Trichloroethene	<0.0018		0.0018	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		70 - 134	09/30/19 17:30	10/07/19 14:34	1
4-Bromofluorobenzene (Surr)	93		75 - 131	09/30/19 17:30	10/07/19 14:34	1
Dibromofluoromethane	92		75 - 126	09/30/19 17:30	10/07/19 14:34	1
Toluene-d8 (Surr)	98		75 - 124	09/30/19 17:30	10/07/19 14:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(32-40)-092919**

**Lab Sample ID: 500-170912-6**

**Date Collected: 09/29/19 23:50**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 79.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.095	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
2,4-Dinitrophenol	<0.84	*	0.84	0.73	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
<b>2-Methylnaphthalene</b>	<b>0.044</b>	<b>J</b>	0.084	0.0076	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
4-Chloroaniline	<0.84		0.84	0.19	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
4-Nitrophenol	<0.84		0.84	0.39	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
<b>Acenaphthene</b>	<b>0.020</b>	<b>J</b>	0.041	0.0074	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
<b>Benzo[a]anthracene</b>	<b>0.036</b>	<b>J</b>	0.041	0.0056	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
<b>Benzo[g,h,i]perylene</b>	<b>0.015</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
<b>Fluoranthene</b>	<b>0.020</b>	<b>J</b>	0.041	0.0077	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Hexachlorobenzene	<0.084		0.084	0.0096	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(32-40)-092919**

**Lab Sample ID: 500-170912-6**

Date Collected: 09/29/19 23:50

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Pentachlorophenol	<0.84		0.84	0.66	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
<b>Phenanthrene</b>	<b>0.13</b>		0.041	0.0058	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Pyrene	<0.041		0.041	0.0082	mg/Kg	☼	10/04/19 16:18	10/07/19 21:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	47		31 - 143				10/04/19 16:18	10/07/19 21:33	1
2-Fluorobiphenyl	87		43 - 145				10/04/19 16:18	10/07/19 21:33	1
2-Fluorophenol	102		31 - 166				10/04/19 16:18	10/07/19 21:33	1
Nitrobenzene-d5	76		37 - 147				10/04/19 16:18	10/07/19 21:33	1
Phenol-d5	91		30 - 153				10/04/19 16:18	10/07/19 21:33	1
Terphenyl-d14	117		42 - 157				10/04/19 16:18	10/07/19 21:33	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 12:34	1
<b>Barium</b>	<b>0.60</b>		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 12:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 12:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 12:34	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:34	1
Cobalt	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:34	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:34	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 12:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 12:34	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:34	1
<b>Nickel</b>	<b>0.029</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:34	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:52	10/09/19 12:34	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:34	1
<b>Zinc</b>	<b>0.082</b>	<b>J B</b>	0.50	0.020	mg/L		10/08/19 08:52	10/09/19 12:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:14	10/08/19 14:25	1
<b>Barium</b>	<b>0.081</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:14	10/08/19 14:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 14:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 14:25	1
<b>Chromium</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:25	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:25	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:25	1
<b>Iron</b>	<b>5.5</b>		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 14:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 14:25	1
<b>Manganese</b>	<b>0.057</b>		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:25	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:25	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 14:25	1

Eurolins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-22(32-40)-092919**

**Lab Sample ID: 500-170912-6**

Date Collected: 09/29/19 23:50

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:25	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 14:25	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.85	J	1.2	0.23	mg/Kg	☼	10/07/19 10:37	10/08/19 03:54	1
Arsenic	7.7		0.59	0.20	mg/Kg	☼	10/07/19 10:37	10/08/19 03:54	1
Barium	50		0.59	0.067	mg/Kg	☼	10/07/19 10:37	10/08/19 03:54	1
Beryllium	0.81		0.24	0.055	mg/Kg	☼	10/07/19 10:37	10/08/19 03:54	1
Cadmium	0.20		0.12	0.021	mg/Kg	☼	10/07/19 10:37	10/08/19 03:54	1
Calcium	53000		59	10	mg/Kg	☼	10/07/19 10:37	10/08/19 15:09	5
Chromium	19		0.59	0.29	mg/Kg	☼	10/07/19 10:37	10/08/19 13:43	1
Cobalt	13		0.30	0.077	mg/Kg	☼	10/07/19 10:37	10/08/19 03:54	1
Copper	32	B	0.59	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 03:54	1
Iron	19000		12	6.1	mg/Kg	☼	10/07/19 10:37	10/08/19 03:54	1
Lead	14		0.30	0.14	mg/Kg	☼	10/07/19 10:37	10/08/19 13:43	1
Magnesium	23000	B	5.9	2.9	mg/Kg	☼	10/07/19 10:37	10/08/19 03:54	1
Manganese	340		0.59	0.086	mg/Kg	☼	10/07/19 10:37	10/08/19 13:43	1
Nickel	34		0.59	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 03:54	1
Potassium	4600		30	10	mg/Kg	☼	10/07/19 10:37	10/08/19 13:43	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	10/07/19 10:37	10/08/19 03:54	1
Silver	2.3		0.30	0.076	mg/Kg	☼	10/07/19 10:37	10/08/19 03:54	1
Sodium	250		59	8.7	mg/Kg	☼	10/07/19 10:37	10/08/19 13:43	1
Thallium	1.9		0.59	0.29	mg/Kg	☼	10/07/19 10:37	10/08/19 03:54	1
Vanadium	22		0.30	0.070	mg/Kg	☼	10/07/19 10:37	10/08/19 03:54	1
Zinc	51	B	1.2	0.52	mg/Kg	☼	10/07/19 10:37	10/08/19 13:43	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 07:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:17	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.019	0.0065	mg/Kg	☼	10/03/19 14:35	10/04/19 09:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			10/04/19 18:13	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-31(4-10)-093019**

**Lab Sample ID: 500-170912-7**

Date Collected: 09/30/19 00:50

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
1,2-Dichloroethane	<0.0040		0.0040	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
2-Hexanone	<0.0040	*	0.0040	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Acetone	<0.016	*	0.016	0.0071	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Carbon disulfide	<0.0040		0.0040	0.00084	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Chloroethane	<0.0040	*	0.0040	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Methyl Ethyl Ketone	<0.0040	*	0.0040	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	09/30/19 17:30	10/07/19 15:00	1
4-Bromofluorobenzene (Surr)	91		75 - 131	09/30/19 17:30	10/07/19 15:00	1
Dibromofluoromethane	101		75 - 126	09/30/19 17:30	10/07/19 15:00	1
Toluene-d8 (Surr)	95		75 - 124	09/30/19 17:30	10/07/19 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-31(4-10)-093019**

**Lab Sample ID: 500-170912-7**

**Date Collected: 09/30/19 00:50**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 82.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
2,4-Dinitrophenol	<0.81	*	0.81	0.71	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
<b>2-Methylnaphthalene</b>	<b>0.041</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
<b>Acenaphthene</b>	<b>0.025</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
<b>Benzo[a]anthracene</b>	<b>0.034</b>	<b>J</b>	0.040	0.0054	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
<b>Benzo[g,h,i]perylene</b>	<b>0.015</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
<b>Fluoranthene</b>	<b>0.017</b>	<b>J</b>	0.040	0.0075	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-31(4-10)-093019**

**Lab Sample ID: 500-170912-7**

Date Collected: 09/30/19 00:50

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 82.0

## 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	<0.040		0.040	0.010	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
<b>Phenanthrene</b>	<b>0.16</b>		0.040	0.0056	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
<b>Pyrene</b>	<b>0.028</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/04/19 16:18	10/07/19 22:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	40		31 - 143				10/04/19 16:18	10/07/19 22:02	1
2-Fluorobiphenyl	84		43 - 145				10/04/19 16:18	10/07/19 22:02	1
2-Fluorophenol	93		31 - 166				10/04/19 16:18	10/07/19 22:02	1
Nitrobenzene-d5	75		37 - 147				10/04/19 16:18	10/07/19 22:02	1
Phenol-d5	80		30 - 153				10/04/19 16:18	10/07/19 22:02	1
Terphenyl-d14	110		42 - 157				10/04/19 16:18	10/07/19 22:02	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.013</b>	<b>J</b>	0.050	0.010	mg/L		10/08/19 08:52	10/09/19 12:38	1
<b>Barium</b>	<b>0.59</b>		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 12:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 12:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 12:38	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:38	1
<b>Cobalt</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:38	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:38	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 12:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 12:38	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:38	1
<b>Nickel</b>	<b>0.047</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:38	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:52	10/09/19 12:38	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:38	1
<b>Zinc</b>	<b>0.031</b>	<b>J B</b>	0.50	0.020	mg/L		10/08/19 08:52	10/09/19 12:38	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 16:14	10/08/19 14:29	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:14	10/08/19 14:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 14:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 14:29	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:29	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:29	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:29	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 14:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 14:29	1
<b>Manganese</b>	<b>0.024</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:29	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:29	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 14:29	1

Eurolins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-31(4-10)-093019**

**Lab Sample ID: 500-170912-7**

Date Collected: 09/30/19 00:50

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:29	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 14:29	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.58	J	1.1	0.22	mg/Kg	☼	10/07/19 10:37	10/08/19 03:58	1
Arsenic	7.8		0.55	0.19	mg/Kg	☼	10/07/19 10:37	10/08/19 03:58	1
Barium	37		0.55	0.063	mg/Kg	☼	10/07/19 10:37	10/08/19 03:58	1
Beryllium	0.67		0.22	0.052	mg/Kg	☼	10/07/19 10:37	10/08/19 03:58	1
Cadmium	0.34		0.11	0.020	mg/Kg	☼	10/07/19 10:37	10/08/19 03:58	1
Calcium	60000		55	9.4	mg/Kg	☼	10/07/19 10:37	10/08/19 15:21	5
Chromium	15		0.55	0.27	mg/Kg	☼	10/07/19 10:37	10/08/19 13:47	1
Cobalt	12		0.28	0.073	mg/Kg	☼	10/07/19 10:37	10/08/19 03:58	1
Copper	32	B	0.55	0.16	mg/Kg	☼	10/07/19 10:37	10/08/19 03:58	1
Iron	18000		11	5.8	mg/Kg	☼	10/07/19 10:37	10/08/19 03:58	1
Lead	15		0.28	0.13	mg/Kg	☼	10/07/19 10:37	10/08/19 13:47	1
Magnesium	25000	B	5.5	2.7	mg/Kg	☼	10/07/19 10:37	10/08/19 03:58	1
Manganese	450		0.55	0.080	mg/Kg	☼	10/07/19 10:37	10/08/19 13:47	1
Nickel	31		0.55	0.16	mg/Kg	☼	10/07/19 10:37	10/08/19 03:58	1
Potassium	3400		28	9.8	mg/Kg	☼	10/07/19 10:37	10/08/19 13:47	1
Selenium	0.43	J	0.55	0.33	mg/Kg	☼	10/07/19 10:37	10/08/19 03:58	1
Silver	1.9		0.28	0.072	mg/Kg	☼	10/07/19 10:37	10/08/19 03:58	1
Sodium	260		55	8.2	mg/Kg	☼	10/07/19 10:37	10/08/19 13:47	1
Thallium	1.6		0.55	0.28	mg/Kg	☼	10/07/19 10:37	10/08/19 03:58	1
Vanadium	18		0.28	0.065	mg/Kg	☼	10/07/19 10:37	10/08/19 03:58	1
Zinc	60	B	1.1	0.49	mg/Kg	☼	10/07/19 10:37	10/08/19 13:47	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 07:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:18	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.019	0.0063	mg/Kg	☼	10/03/19 14:35	10/04/19 09:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.2	0.2	SU			10/07/19 15:01	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-31(10-12)-093019**

**Lab Sample ID: 500-170912-8**

Date Collected: 09/30/19 01:00

Matrix: Solid

Date Received: 09/30/19 15:15

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	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
2-Hexanone	<0.0043	*	0.0043	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
<b>Acetone</b>	<b>0.0079</b>	<b>J *</b>	0.017	0.0075	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Chloroethane	<0.0043	*	0.0043	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Methyl Ethyl Ketone	<0.0043	*	0.0043	0.0019	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	09/30/19 17:30	10/07/19 15:26	1
4-Bromofluorobenzene (Surr)	91		75 - 131	09/30/19 17:30	10/07/19 15:26	1
Dibromofluoromethane	98		75 - 126	09/30/19 17:30	10/07/19 15:26	1
Toluene-d8 (Surr)	98		75 - 124	09/30/19 17:30	10/07/19 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-31(10-12)-093019**

**Lab Sample ID: 500-170912-8**

Date Collected: 09/30/19 01:00

Matrix: Solid

Date Received: 09/30/19 15:15

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	<0.40		0.40	0.091	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
2,4-Dinitrophenol	<0.80	*	0.80	0.70	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
<b>2-Methylnaphthalene</b>	<b>0.048</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
<b>Chrysene</b>	<b>0.033</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
<b>Fluoranthene</b>	<b>0.018</b>	<b>J</b>	0.040	0.0074	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
<b>Fluorene</b>	<b>0.014</b>	<b>J</b>	0.040	0.0056	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-31(10-12)-093019**

**Lab Sample ID: 500-170912-8**

Date Collected: 09/30/19 01:00

Matrix: Solid

Date Received: 09/30/19 15:15

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	<0.040		0.040	0.010	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
<b>Phenanthrene</b>	<b>0.16</b>		0.040	0.0056	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1
<b>Pyrene</b>	<b>0.028</b>	<b>J</b>	0.040	0.0079	mg/Kg	☼	10/04/19 16:18	10/07/19 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	57		31 - 143	10/04/19 16:18	10/07/19 22:31	1
2-Fluorobiphenyl	84		43 - 145	10/04/19 16:18	10/07/19 22:31	1
2-Fluorophenol	107		31 - 166	10/04/19 16:18	10/07/19 22:31	1
Nitrobenzene-d5	74		37 - 147	10/04/19 16:18	10/07/19 22:31	1
Phenol-d5	95		30 - 153	10/04/19 16:18	10/07/19 22:31	1
Terphenyl-d14	114		42 - 157	10/04/19 16:18	10/07/19 22:31	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 12:42	1
<b>Barium</b>	<b>0.58</b>		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 12:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 12:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 12:42	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:42	1
<b>Cobalt</b>	<b>0.016</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:42	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:42	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 12:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 12:42	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:42	1
<b>Nickel</b>	<b>0.047</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:42	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:52	10/09/19 12:42	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:42	1
<b>Zinc</b>	<b>0.020</b>	<b>J B</b>	0.50	0.020	mg/L		10/08/19 08:52	10/09/19 12:42	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 16:14	10/08/19 14:34	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:14	10/08/19 14:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 14:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 14:34	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:34	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:34	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:34	1
<b>Iron</b>	<b>0.26</b>	<b>J</b>	0.40	0.20	mg/L		10/07/19 16:14	10/08/19 14:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 14:34	1
<b>Manganese</b>	<b>0.022</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:34	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:34	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 14:34	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-31(10-12)-093019**

**Lab Sample ID: 500-170912-8**

Date Collected: 09/30/19 01:00

Matrix: Solid

Date Received: 09/30/19 15:15

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 16:14	10/08/19 14:34	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 14:34	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.68	J	1.2	0.23	mg/Kg	☼	10/07/19 10:37	10/08/19 04:02	1
Arsenic	7.7		0.59	0.20	mg/Kg	☼	10/07/19 10:37	10/08/19 04:02	1
Barium	41		0.59	0.067	mg/Kg	☼	10/07/19 10:37	10/08/19 04:02	1
Beryllium	0.73		0.24	0.055	mg/Kg	☼	10/07/19 10:37	10/08/19 04:02	1
Cadmium	0.19		0.12	0.021	mg/Kg	☼	10/07/19 10:37	10/08/19 04:02	1
Calcium	56000		59	10	mg/Kg	☼	10/07/19 10:37	10/08/19 15:25	5
Chromium	17		0.59	0.29	mg/Kg	☼	10/07/19 10:37	10/08/19 13:51	1
Cobalt	12		0.29	0.077	mg/Kg	☼	10/07/19 10:37	10/08/19 04:02	1
Copper	32	B	0.59	0.16	mg/Kg	☼	10/07/19 10:37	10/08/19 04:02	1
Iron	18000		12	6.1	mg/Kg	☼	10/07/19 10:37	10/08/19 04:02	1
Lead	14		0.29	0.14	mg/Kg	☼	10/07/19 10:37	10/08/19 13:51	1
Magnesium	24000	B	5.9	2.9	mg/Kg	☼	10/07/19 10:37	10/08/19 04:02	1
Manganese	360		0.59	0.085	mg/Kg	☼	10/07/19 10:37	10/08/19 13:51	1
Nickel	32		0.59	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 04:02	1
Potassium	4100		29	10	mg/Kg	☼	10/07/19 10:37	10/08/19 13:51	1
Selenium	0.42	J	0.59	0.35	mg/Kg	☼	10/07/19 10:37	10/08/19 04:02	1
Silver	2.1		0.29	0.076	mg/Kg	☼	10/07/19 10:37	10/08/19 04:02	1
Sodium	500		59	8.7	mg/Kg	☼	10/07/19 10:37	10/08/19 13:51	1
Thallium	1.8		0.59	0.29	mg/Kg	☼	10/07/19 10:37	10/08/19 04:02	1
Vanadium	20		0.29	0.069	mg/Kg	☼	10/07/19 10:37	10/08/19 04:02	1
Zinc	54	B	1.2	0.52	mg/Kg	☼	10/07/19 10:37	10/08/19 13:51	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 07:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:20	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.019	0.0064	mg/Kg	☼	10/03/19 14:35	10/04/19 09:40	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/07/19 15:04	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-32(4-10)-093019**

**Lab Sample ID: 500-170912-9**

**Date Collected: 09/30/19 01:20**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 81.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
2-Hexanone	<0.0040	*	0.0040	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Acetone	<0.016	*	0.016	0.0070	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Chloroethane	<0.0040	*	0.0040	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Methyl Ethyl Ketone	<0.0040	*	0.0040	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	09/30/19 17:30	10/07/19 15:51	1
4-Bromofluorobenzene (Surr)	95		75 - 131	09/30/19 17:30	10/07/19 15:51	1
Dibromofluoromethane	97		75 - 126	09/30/19 17:30	10/07/19 15:51	1
Toluene-d8 (Surr)	97		75 - 124	09/30/19 17:30	10/07/19 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-32(4-10)-093019**

**Lab Sample ID: 500-170912-9**

Date Collected: 09/30/19 01:20

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
2,4-Dinitrophenol	<0.82	*	0.82	0.71	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
<b>2-Methylnaphthalene</b>	<b>0.039</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
<b>Acenaphthene</b>	<b>0.016</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
<b>Benzo[a]anthracene</b>	<b>0.027</b>	<b>J</b>	0.040	0.0055	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
<b>Fluorene</b>	<b>0.0087</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-32(4-10)-093019**

**Lab Sample ID: 500-170912-9**

Date Collected: 09/30/19 01:20

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.8

## 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	<0.040		0.040	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
<b>Phenanthrene</b>	<b>0.10</b>		0.040	0.0057	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1
Pyrene	<0.040		0.040	0.0081	mg/Kg	☼	10/04/19 16:18	10/07/19 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	34		31 - 143	10/04/19 16:18	10/07/19 23:00	1
2-Fluorobiphenyl	76		43 - 145	10/04/19 16:18	10/07/19 23:00	1
2-Fluorophenol	86		31 - 166	10/04/19 16:18	10/07/19 23:00	1
Nitrobenzene-d5	65		37 - 147	10/04/19 16:18	10/07/19 23:00	1
Phenol-d5	74		30 - 153	10/04/19 16:18	10/07/19 23:00	1
Terphenyl-d14	109		42 - 157	10/04/19 16:18	10/07/19 23:00	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 12:46	1
<b>Barium</b>	<b>0.67</b>		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 12:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 12:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 12:46	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:46	1
<b>Cobalt</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:46	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:46	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 12:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 12:46	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:46	1
<b>Nickel</b>	<b>0.055</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:46	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:52	10/09/19 12:46	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:46	1
Zinc	<0.50		0.50	0.020	mg/L		10/08/19 08:52	10/09/19 12:46	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 16:14	10/08/19 14:38	1
<b>Barium</b>	<b>0.061</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:14	10/08/19 14:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 14:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 14:38	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:38	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:38	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:38	1
<b>Iron</b>	<b>1.4</b>		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 14:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 14:38	1
<b>Manganese</b>	<b>0.038</b>		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:38	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:38	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 14:38	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-32(4-10)-093019**

**Lab Sample ID: 500-170912-9**

Date Collected: 09/30/19 01:20

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.8

**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 16:14	10/08/19 14:38	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 14:38	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.79	J	1.1	0.22	mg/Kg	☼	10/07/19 10:37	10/08/19 04:07	1
Arsenic	8.0		0.57	0.19	mg/Kg	☼	10/07/19 10:37	10/08/19 04:07	1
Barium	47		0.57	0.065	mg/Kg	☼	10/07/19 10:37	10/08/19 04:07	1
Beryllium	0.78		0.23	0.053	mg/Kg	☼	10/07/19 10:37	10/08/19 04:07	1
Cadmium	0.23		0.11	0.020	mg/Kg	☼	10/07/19 10:37	10/08/19 04:07	1
Calcium	53000		57	9.6	mg/Kg	☼	10/07/19 10:37	10/08/19 15:29	5
Chromium	18		0.57	0.28	mg/Kg	☼	10/07/19 10:37	10/08/19 13:55	1
Cobalt	13		0.28	0.074	mg/Kg	☼	10/07/19 10:37	10/08/19 04:07	1
Copper	33	B	0.57	0.16	mg/Kg	☼	10/07/19 10:37	10/08/19 04:07	1
Iron	19000		11	5.9	mg/Kg	☼	10/07/19 10:37	10/08/19 04:07	1
Lead	14		0.28	0.13	mg/Kg	☼	10/07/19 10:37	10/08/19 13:55	1
Magnesium	22000	B	5.7	2.8	mg/Kg	☼	10/07/19 10:37	10/08/19 04:07	1
Manganese	330		0.57	0.082	mg/Kg	☼	10/07/19 10:37	10/08/19 13:55	1
Nickel	34		0.57	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 04:07	1
Potassium	4300		28	10	mg/Kg	☼	10/07/19 10:37	10/08/19 13:55	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	10/07/19 10:37	10/08/19 04:07	1
Silver	2.4		0.28	0.073	mg/Kg	☼	10/07/19 10:37	10/08/19 04:07	1
Sodium	440		57	8.4	mg/Kg	☼	10/07/19 10:37	10/08/19 13:55	1
Thallium	2.1		0.57	0.28	mg/Kg	☼	10/07/19 10:37	10/08/19 04:07	1
Vanadium	22		0.28	0.067	mg/Kg	☼	10/07/19 10:37	10/08/19 04:07	1
Zinc	51	B	1.1	0.50	mg/Kg	☼	10/07/19 10:37	10/08/19 13:55	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 07:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020	F1	0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:22	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.020	0.0065	mg/Kg	☼	10/03/19 14:35	10/04/19 09:42	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/07/19 15:06	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-32(10-15)-093019**

**Lab Sample ID: 500-170912-10**

**Date Collected: 09/30/19 01:30**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 81.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
2-Hexanone	<0.0042	*	0.0042	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
<b>Acetone</b>	<b>0.0074</b>	<b>J *</b>	0.017	0.0074	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Chloroethane	<0.0042	*	0.0042	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Methyl Ethyl Ketone	<0.0042	*	0.0042	0.0019	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 16:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	09/30/19 17:30	10/07/19 16:17	1
4-Bromofluorobenzene (Surr)	91		75 - 131	09/30/19 17:30	10/07/19 16:17	1
Dibromofluoromethane	98		75 - 126	09/30/19 17:30	10/07/19 16:17	1
Toluene-d8 (Surr)	97		75 - 124	09/30/19 17:30	10/07/19 16:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-32(10-15)-093019**

**Lab Sample ID: 500-170912-10**

Date Collected: 09/30/19 01:30

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
2,4-Dinitrophenol	<0.80	*	0.80	0.70	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
<b>2-Methylnaphthalene</b>	<b>0.051</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
<b>Acenaphthene</b>	<b>0.012</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
<b>Benzo[a]anthracene</b>	<b>0.023</b>	<b>J</b>	0.040	0.0054	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-32(10-15)-093019**

**Lab Sample ID: 500-170912-10**

Date Collected: 09/30/19 01:30

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
<b>Phenanthrene</b>	<b>0.092</b>		0.040	0.0056	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1
Pyrene	<0.040		0.040	0.0079	mg/Kg	☼	10/04/19 16:18	10/07/19 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	49		31 - 143	10/04/19 16:18	10/07/19 23:28	1
2-Fluorobiphenyl	81		43 - 145	10/04/19 16:18	10/07/19 23:28	1
2-Fluorophenol	93		31 - 166	10/04/19 16:18	10/07/19 23:28	1
Nitrobenzene-d5	71		37 - 147	10/04/19 16:18	10/07/19 23:28	1
Phenol-d5	81		30 - 153	10/04/19 16:18	10/07/19 23:28	1
Terphenyl-d14	118		42 - 157	10/04/19 16:18	10/07/19 23:28	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 12:51	1
<b>Barium</b>	<b>0.69</b>		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 12:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 12:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 12:51	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:51	1
<b>Cobalt</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:51	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:51	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 12:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 12:51	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:51	1
<b>Nickel</b>	<b>0.047</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:51	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:52	10/09/19 12:51	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:51	1
<b>Zinc</b>	<b>0.092</b>	<b>J B</b>	0.50	0.020	mg/L		10/08/19 08:52	10/09/19 12:51	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 16:14	10/08/19 14:42	1
<b>Barium</b>	<b>0.055</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:14	10/08/19 14:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 14:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 14:42	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:42	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:42	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:42	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 14:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 14:42	1
<b>Manganese</b>	<b>0.022</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:42	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:42	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 14:42	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-32(10-15)-093019**

**Lab Sample ID: 500-170912-10**

Date Collected: 09/30/19 01:30

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.4

**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 16:14	10/08/19 14:42	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 14:42	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.75	J	1.2	0.23	mg/Kg	☼	10/07/19 10:37	10/08/19 04:11	1
Arsenic	8.0		0.60	0.21	mg/Kg	☼	10/07/19 10:37	10/08/19 04:11	1
Barium	46		0.60	0.068	mg/Kg	☼	10/07/19 10:37	10/08/19 04:11	1
Beryllium	0.68		0.24	0.056	mg/Kg	☼	10/07/19 10:37	10/08/19 04:11	1
Cadmium	0.21		0.12	0.022	mg/Kg	☼	10/07/19 10:37	10/08/19 04:11	1
Calcium	55000		60	10	mg/Kg	☼	10/07/19 10:37	10/08/19 15:33	5
Chromium	17		0.60	0.30	mg/Kg	☼	10/07/19 10:37	10/08/19 13:59	1
Cobalt	13		0.30	0.079	mg/Kg	☼	10/07/19 10:37	10/08/19 04:11	1
Copper	32	B	0.60	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 04:11	1
Iron	19000		12	6.2	mg/Kg	☼	10/07/19 10:37	10/08/19 04:11	1
Lead	14		0.30	0.14	mg/Kg	☼	10/07/19 10:37	10/08/19 13:59	1
Magnesium	23000	B	6.0	3.0	mg/Kg	☼	10/07/19 10:37	10/08/19 04:11	1
Manganese	330		0.60	0.087	mg/Kg	☼	10/07/19 10:37	10/08/19 13:59	1
Nickel	34		0.60	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 04:11	1
Potassium	3400		30	11	mg/Kg	☼	10/07/19 10:37	10/08/19 13:59	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	10/07/19 10:37	10/08/19 04:11	1
Silver	2.2		0.30	0.077	mg/Kg	☼	10/07/19 10:37	10/08/19 04:11	1
Sodium	210		60	8.9	mg/Kg	☼	10/07/19 10:37	10/08/19 13:59	1
Thallium	2.1		0.60	0.30	mg/Kg	☼	10/07/19 10:37	10/08/19 04:11	1
Vanadium	19		0.30	0.071	mg/Kg	☼	10/07/19 10:37	10/08/19 04:11	1
Zinc	53	B	1.2	0.53	mg/Kg	☼	10/07/19 10:37	10/08/19 13:59	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 07:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:26	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.018	0.0061	mg/Kg	☼	10/03/19 14:35	10/04/19 09:44	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/07/19 15:09	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-32(10-15)-093019D**

**Lab Sample ID: 500-170912-11**

**Date Collected: 09/30/19 01:30**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 80.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
2-Hexanone	<0.0041	*	0.0041	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Acetone	<0.016	*	0.016	0.0071	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Carbon disulfide	<0.0041		0.0041	0.00084	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Chloroethane	<0.0041	*	0.0041	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Methyl Ethyl Ketone	<0.0041	*	0.0041	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	09/30/19 17:30	10/07/19 16:42	1
4-Bromofluorobenzene (Surr)	90		75 - 131	09/30/19 17:30	10/07/19 16:42	1
Dibromofluoromethane	96		75 - 126	09/30/19 17:30	10/07/19 16:42	1
Toluene-d8 (Surr)	98		75 - 124	09/30/19 17:30	10/07/19 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-32(10-15)-093019D**

**Lab Sample ID: 500-170912-11**

Date Collected: 09/30/19 01:30

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
2,4-Dinitrophenol	<0.83	*	0.83	0.72	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
<b>2-Methylnaphthalene</b>	<b>0.071</b>	<b>J</b>	0.083	0.0076	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
<b>Acenaphthene</b>	<b>0.022</b>	<b>J</b>	0.041	0.0074	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
<b>Benzo[a]anthracene</b>	<b>0.032</b>	<b>J</b>	0.041	0.0055	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
<b>Benzo[g,h,i]perylene</b>	<b>0.016</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
<b>Fluorene</b>	<b>0.013</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-32(10-15)-093019D**

**Lab Sample ID: 500-170912-11**

Date Collected: 09/30/19 01:30

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
<b>Phenanthrene</b>	<b>0.13</b>		0.041	0.0057	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
<b>Pyrene</b>	<b>0.027</b>	<b>J</b>	0.041	0.0082	mg/Kg	☼	10/04/19 16:18	10/07/19 23:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	55		31 - 143				10/04/19 16:18	10/07/19 23:57	1
2-Fluorobiphenyl	85		43 - 145				10/04/19 16:18	10/07/19 23:57	1
2-Fluorophenol	93		31 - 166				10/04/19 16:18	10/07/19 23:57	1
Nitrobenzene-d5	76		37 - 147				10/04/19 16:18	10/07/19 23:57	1
Phenol-d5	77		30 - 153				10/04/19 16:18	10/07/19 23:57	1
Terphenyl-d14	123		42 - 157				10/04/19 16:18	10/07/19 23:57	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 12:55	1
<b>Barium</b>	<b>0.64</b>		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 12:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 12:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 12:55	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:55	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:55	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:55	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 12:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 12:55	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:55	1
<b>Nickel</b>	<b>0.042</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:55	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:52	10/09/19 12:55	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:55	1
<b>Zinc</b>	<b>0.050</b>	<b>J B</b>	0.50	0.020	mg/L		10/08/19 08:52	10/09/19 12:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:14	10/08/19 14:46	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:14	10/08/19 14:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 14:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 14:46	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:46	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:46	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:46	1
<b>Iron</b>	<b>0.26</b>	<b>J</b>	0.40	0.20	mg/L		10/07/19 16:14	10/08/19 14:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 14:46	1
<b>Manganese</b>	<b>0.024</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:46	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:46	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 14:46	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-32(10-15)-093019D**

**Lab Sample ID: 500-170912-11**

Date Collected: 09/30/19 01:30

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.2

**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 16:14	10/08/19 14:46	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 14:46	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J	1.2	0.22	mg/Kg	☼	10/07/19 10:37	10/08/19 04:15	1
Arsenic	7.0		0.58	0.20	mg/Kg	☼	10/07/19 10:37	10/08/19 04:15	1
Barium	43		0.58	0.066	mg/Kg	☼	10/07/19 10:37	10/08/19 04:15	1
Beryllium	0.73		0.23	0.054	mg/Kg	☼	10/07/19 10:37	10/08/19 04:15	1
Cadmium	0.17		0.12	0.021	mg/Kg	☼	10/07/19 10:37	10/08/19 04:15	1
Calcium	78000		58	9.8	mg/Kg	☼	10/07/19 10:37	10/08/19 15:37	5
Chromium	16		0.58	0.29	mg/Kg	☼	10/07/19 10:37	10/08/19 14:03	1
Cobalt	11		0.29	0.076	mg/Kg	☼	10/07/19 10:37	10/08/19 04:15	1
Copper	26	B	0.58	0.16	mg/Kg	☼	10/07/19 10:37	10/08/19 04:15	1
Iron	17000		12	6.0	mg/Kg	☼	10/07/19 10:37	10/08/19 04:15	1
Lead	13		0.29	0.13	mg/Kg	☼	10/07/19 10:37	10/08/19 14:03	1
Magnesium	32000	B	5.8	2.9	mg/Kg	☼	10/07/19 10:37	10/08/19 04:15	1
Manganese	510		0.58	0.084	mg/Kg	☼	10/07/19 10:37	10/08/19 14:03	1
Nickel	29		0.58	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 04:15	1
Potassium	4100		29	10	mg/Kg	☼	10/07/19 10:37	10/08/19 14:03	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	10/07/19 10:37	10/08/19 04:15	1
Silver	2.2		0.29	0.075	mg/Kg	☼	10/07/19 10:37	10/08/19 04:15	1
Sodium	230		58	8.6	mg/Kg	☼	10/07/19 10:37	10/08/19 14:03	1
Thallium	1.6		0.58	0.29	mg/Kg	☼	10/07/19 10:37	10/08/19 04:15	1
Vanadium	20		0.29	0.068	mg/Kg	☼	10/07/19 10:37	10/08/19 04:15	1
Zinc	44	B	1.2	0.51	mg/Kg	☼	10/07/19 10:37	10/08/19 14:03	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 08:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:28	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.019	0.0064	mg/Kg	☼	10/03/19 14:35	10/04/19 09:57	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/07/19 15:12	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(0-4)-092919**

**Lab Sample ID: 500-170912-12**

Date Collected: 09/29/19 23:08

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
2-Hexanone	<0.0041	*	0.0041	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Acetone	<0.016	*	0.016	0.0071	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Carbon disulfide	<0.0041		0.0041	0.00085	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Chloroethane	<0.0041	*	0.0041	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Chloroform	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00046	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Methyl Ethyl Ketone	<0.0041	*	0.0041	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Tetrachloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1
Xylenes, Total	<0.0033		0.0033	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 17:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	09/30/19 17:30	10/07/19 17:08	1
4-Bromofluorobenzene (Surr)	92		75 - 131	09/30/19 17:30	10/07/19 17:08	1
Dibromofluoromethane	99		75 - 126	09/30/19 17:30	10/07/19 17:08	1
Toluene-d8 (Surr)	96		75 - 124	09/30/19 17:30	10/07/19 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(0-4)-092919**

**Lab Sample ID: 500-170912-12**

Date Collected: 09/29/19 23:08

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
2,4-Dinitrophenol	<0.80	*	0.80	0.70	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Acenaphthylene	<0.040		0.040	0.0052	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Anthracene	<0.040		0.040	0.0066	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
<b>Benzo[a]anthracene</b>	<b>0.034</b>	<b>J</b>	0.040	0.0054	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
<b>Fluoranthene</b>	<b>0.018</b>	<b>J</b>	0.040	0.0074	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(0-4)-092919**

**Lab Sample ID: 500-170912-12**

Date Collected: 09/29/19 23:08

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
<b>Phenanthrene</b>	<b>0.056</b>		0.040	0.0055	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
<b>Pyrene</b>	<b>0.031</b>	<b>J</b>	0.040	0.0079	mg/Kg	☼	10/04/19 16:18	10/08/19 00:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	57		31 - 143				10/04/19 16:18	10/08/19 00:26	1
2-Fluorobiphenyl	79		43 - 145				10/04/19 16:18	10/08/19 00:26	1
2-Fluorophenol	91		31 - 166				10/04/19 16:18	10/08/19 00:26	1
Nitrobenzene-d5	72		37 - 147				10/04/19 16:18	10/08/19 00:26	1
Phenol-d5	79		30 - 153				10/04/19 16:18	10/08/19 00:26	1
Terphenyl-d14	113		42 - 157				10/04/19 16:18	10/08/19 00:26	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 12:59	1
<b>Barium</b>	<b>0.61</b>		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 12:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 12:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 12:59	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:59	1
<b>Cobalt</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:59	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:59	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 12:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 12:59	1
<b>Manganese</b>	<b>2.1</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:59	1
Nickel	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:59	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:52	10/09/19 12:59	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 12:59	1
<b>Zinc</b>	<b>0.091</b>	<b>J B</b>	0.50	0.020	mg/L		10/08/19 08:52	10/09/19 12:59	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 16:14	10/08/19 14:50	1
<b>Barium</b>	<b>0.066</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:14	10/08/19 14:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 14:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 14:50	1
<b>Chromium</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:50	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:50	1
<b>Copper</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:50	1
<b>Iron</b>	<b>9.6</b>		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 14:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 14:50	1
<b>Manganese</b>	<b>0.056</b>		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:50	1
<b>Nickel</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:50	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 14:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(0-4)-092919**

**Lab Sample ID: 500-170912-12**

Date Collected: 09/29/19 23:08

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 83.1

**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 16:14	10/08/19 14:50	1
Zinc	0.034	J	0.50	0.020	mg/L		10/07/19 16:14	10/08/19 14:50	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.54	J	1.2	0.23	mg/Kg	☼	10/07/19 10:37	10/08/19 04:19	1
Arsenic	11		0.60	0.20	mg/Kg	☼	10/07/19 10:37	10/08/19 04:19	1
Barium	48		0.60	0.068	mg/Kg	☼	10/07/19 10:37	10/08/19 04:19	1
Beryllium	0.84		0.24	0.056	mg/Kg	☼	10/07/19 10:37	10/08/19 04:19	1
Cadmium	0.31		0.12	0.021	mg/Kg	☼	10/07/19 10:37	10/08/19 04:19	1
Calcium	34000		12	2.0	mg/Kg	☼	10/07/19 10:37	10/08/19 14:11	1
Chromium	18		0.60	0.29	mg/Kg	☼	10/07/19 10:37	10/08/19 14:11	1
Cobalt	15		0.30	0.078	mg/Kg	☼	10/07/19 10:37	10/08/19 04:19	1
Copper	42	B	0.60	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 04:19	1
Iron	20000		12	6.2	mg/Kg	☼	10/07/19 10:37	10/08/19 04:19	1
Lead	16		0.30	0.14	mg/Kg	☼	10/07/19 10:37	10/08/19 04:19	1
Magnesium	23000	B	6.0	3.0	mg/Kg	☼	10/07/19 10:37	10/08/19 04:19	1
Manganese	310		0.60	0.086	mg/Kg	☼	10/07/19 10:37	10/08/19 14:11	1
Nickel	37		0.60	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 04:19	1
Potassium	4700		30	11	mg/Kg	☼	10/07/19 10:37	10/08/19 14:11	1
Selenium	0.59	J	0.60	0.35	mg/Kg	☼	10/07/19 10:37	10/08/19 04:19	1
Silver	2.7		0.30	0.077	mg/Kg	☼	10/07/19 10:37	10/08/19 04:19	1
Sodium	990		60	8.8	mg/Kg	☼	10/07/19 10:37	10/08/19 14:11	1
Thallium	2.1		0.60	0.30	mg/Kg	☼	10/07/19 10:37	10/08/19 04:19	1
Vanadium	23		0.30	0.070	mg/Kg	☼	10/07/19 10:37	10/08/19 04:19	1
Zinc	55	B	1.2	0.52	mg/Kg	☼	10/07/19 10:37	10/08/19 14:11	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 08:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:30	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.018	0.0061	mg/Kg	☼	10/03/19 14:35	10/04/19 09:59	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.1		0.2	0.2	SU			10/04/19 18:13	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(4-10)-092919**

**Lab Sample ID: 500-170912-13**

**Date Collected: 09/29/19 23:16**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 84.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00079	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
1,1-Dichloroethene	<0.0018		0.0018	0.00064	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
1,2-Dichloropropane	<0.0018		0.0018	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00065	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
2-Hexanone	<0.0046	*	0.0046	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Acetone	<0.018	*	0.018	0.0080	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Bromodichloromethane	<0.0018		0.0018	0.00038	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Bromoform	<0.0018		0.0018	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Carbon disulfide	<0.0046		0.0046	0.00096	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Carbon tetrachloride	<0.0018		0.0018	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Chlorobenzene	<0.0018		0.0018	0.00068	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Chloroethane	<0.0046	*	0.0046	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Chloroform	<0.0018		0.0018	0.00064	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Chloromethane	<0.0046		0.0046	0.0019	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Methyl Ethyl Ketone	<0.0046	*	0.0046	0.0021	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Styrene	<0.0018		0.0018	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Tetrachloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Toluene	<0.0018		0.0018	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00082	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00065	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Vinyl chloride	<0.0018		0.0018	0.00082	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	09/30/19 17:30	10/07/19 17:33	1
4-Bromofluorobenzene (Surr)	91		75 - 131	09/30/19 17:30	10/07/19 17:33	1
Dibromofluoromethane	101		75 - 126	09/30/19 17:30	10/07/19 17:33	1
Toluene-d8 (Surr)	95		75 - 124	09/30/19 17:30	10/07/19 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(4-10)-092919**

**Lab Sample ID: 500-170912-13**

Date Collected: 09/29/19 23:16

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
2,4-Dinitrophenol	<0.78	*	0.78	0.68	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
<b>2-Methylnaphthalene</b>	<b>0.019</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
<b>Benzo[a]anthracene</b>	<b>0.046</b>		0.039	0.0052	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Carbazole	<0.20	*	0.20	0.097	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
<b>Fluoranthene</b>	<b>0.019</b>	<b>J</b>	0.039	0.0072	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(4-10)-092919**

**Lab Sample ID: 500-170912-13**

**Date Collected: 09/29/19 23:16**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 84.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
<b>Phenanthrene</b>	<b>0.12</b>		0.039	0.0054	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
<b>Pyrene</b>	<b>0.046</b>		0.039	0.0077	mg/Kg	☼	10/04/19 16:18	10/08/19 00:55	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	74		31 - 143				10/04/19 16:18	10/08/19 00:55	1
2-Fluorobiphenyl	87		43 - 145				10/04/19 16:18	10/08/19 00:55	1
2-Fluorophenol	105		31 - 166				10/04/19 16:18	10/08/19 00:55	1
Nitrobenzene-d5	78		37 - 147				10/04/19 16:18	10/08/19 00:55	1
Phenol-d5	92		30 - 153				10/04/19 16:18	10/08/19 00:55	1
Terphenyl-d14	129		42 - 157				10/04/19 16:18	10/08/19 00:55	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 13:03	1
<b>Barium</b>	<b>0.47</b>	<b>J</b>	0.50	0.050	mg/L		10/08/19 08:52	10/09/19 13:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 13:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 13:03	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:03	1
<b>Cobalt</b>	<b>0.024</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:03	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:03	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 13:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 13:03	1
<b>Manganese</b>	<b>2.5</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:03	1
<b>Nickel</b>	<b>0.041</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:03	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:52	10/09/19 13:03	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:03	1
Zinc	<0.50		0.50	0.020	mg/L		10/08/19 08:52	10/09/19 13:03	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 16:14	10/08/19 14:54	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:14	10/08/19 14:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 14:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 14:54	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:54	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:54	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:54	1
<b>Iron</b>	<b>0.20</b>	<b>J</b>	0.40	0.20	mg/L		10/07/19 16:14	10/08/19 14:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 14:54	1
<b>Manganese</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:54	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:54	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 14:54	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(4-10)-092919**

**Lab Sample ID: 500-170912-13**

Date Collected: 09/29/19 23:16

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:54	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 14:54	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.58	J	1.1	0.22	mg/Kg	☼	10/07/19 10:37	10/08/19 04:31	1
Arsenic	8.7		0.57	0.19	mg/Kg	☼	10/07/19 10:37	10/08/19 04:31	1
Barium	42		0.57	0.065	mg/Kg	☼	10/07/19 10:37	10/08/19 04:31	1
Beryllium	0.74		0.23	0.053	mg/Kg	☼	10/07/19 10:37	10/08/19 04:31	1
Cadmium	0.23		0.11	0.020	mg/Kg	☼	10/07/19 10:37	10/08/19 04:31	1
Calcium	47000		57	9.6	mg/Kg	☼	10/07/19 10:37	10/08/19 18:37	5
Chromium	17		0.57	0.28	mg/Kg	☼	10/07/19 10:37	10/08/19 14:15	1
Cobalt	13		0.28	0.074	mg/Kg	☼	10/07/19 10:37	10/08/19 04:31	1
Copper	36	B	0.57	0.16	mg/Kg	☼	10/07/19 10:37	10/08/19 04:31	1
Iron	18000		11	5.9	mg/Kg	☼	10/07/19 10:37	10/08/19 04:31	1
Lead	15		0.28	0.13	mg/Kg	☼	10/07/19 10:37	10/08/19 04:31	1
Magnesium	21000	B	5.7	2.8	mg/Kg	☼	10/07/19 10:37	10/08/19 04:31	1
Manganese	320		0.57	0.082	mg/Kg	☼	10/07/19 10:37	10/08/19 14:15	1
Nickel	34		0.57	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 04:31	1
Potassium	3900		28	10	mg/Kg	☼	10/07/19 10:37	10/08/19 14:15	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	10/07/19 10:37	10/08/19 04:31	1
Silver	2.3		0.28	0.073	mg/Kg	☼	10/07/19 10:37	10/08/19 04:31	1
Sodium	230		57	8.4	mg/Kg	☼	10/07/19 10:37	10/08/19 14:15	1
Thallium	1.9		0.57	0.28	mg/Kg	☼	10/07/19 10:37	10/08/19 04:31	1
Vanadium	20		0.28	0.067	mg/Kg	☼	10/07/19 10:37	10/08/19 04:31	1
Zinc	49	B	1.1	0.50	mg/Kg	☼	10/07/19 10:37	10/08/19 14:15	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 08:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:32	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.018	0.0060	mg/Kg	☼	10/03/19 14:35	10/04/19 10:01	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.5		0.2	0.2	SU			10/04/19 18:13	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(10-16)-092919**

**Lab Sample ID: 500-170912-14**

Date Collected: 09/29/19 23:27

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
2-Hexanone	<0.0042	*	0.0042	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Acetone	<0.017	*	0.017	0.0073	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Chloroethane	<0.0042	*	0.0042	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Methyl Ethyl Ketone	<0.0042	*	0.0042	0.0019	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	09/30/19 17:30	10/07/19 17:59	1
4-Bromofluorobenzene (Surr)	91		75 - 131	09/30/19 17:30	10/07/19 17:59	1
Dibromofluoromethane	98		75 - 126	09/30/19 17:30	10/07/19 17:59	1
Toluene-d8 (Surr)	97		75 - 124	09/30/19 17:30	10/07/19 17:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(10-16)-092919**

**Lab Sample ID: 500-170912-14**

Date Collected: 09/29/19 23:27

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
2,4-Dinitrophenol	<0.84	*	0.84	0.73	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
<b>2-Methylnaphthalene</b>	<b>0.066</b>	<b>J</b>	0.084	0.0076	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
4-Chloroaniline	<0.84		0.84	0.19	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
4-Nitrophenol	<0.84		0.84	0.39	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
<b>Acenaphthene</b>	<b>0.020</b>	<b>J</b>	0.041	0.0074	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
<b>Benzo[a]anthracene</b>	<b>0.040</b>	<b>J</b>	0.041	0.0056	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
<b>Benzo[g,h,i]perylene</b>	<b>0.021</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
<b>Fluoranthene</b>	<b>0.024</b>	<b>J</b>	0.041	0.0077	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Hexachlorobenzene	<0.084		0.084	0.0096	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(10-16)-092919**

**Lab Sample ID: 500-170912-14**

Date Collected: 09/29/19 23:27

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.0

**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	<0.041		0.041	0.011	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Pentachlorophenol	<0.84		0.84	0.66	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
<b>Phenanthrene</b>	<b>0.15</b>		0.041	0.0058	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
<b>Pyrene</b>	<b>0.033</b>	<b>J</b>	0.041	0.0082	mg/Kg	☼	10/04/19 16:18	10/08/19 01:24	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	64		31 - 143				10/04/19 16:18	10/08/19 01:24	1
2-Fluorobiphenyl	86		43 - 145				10/04/19 16:18	10/08/19 01:24	1
2-Fluorophenol	127		31 - 166				10/04/19 16:18	10/08/19 01:24	1
Nitrobenzene-d5	71		37 - 147				10/04/19 16:18	10/08/19 01:24	1
Phenol-d5	118		30 - 153				10/04/19 16:18	10/08/19 01:24	1
Terphenyl-d14	129		42 - 157				10/04/19 16:18	10/08/19 01:24	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		10/08/19 08:52	10/09/19 13:16	1
<b>Barium</b>	<b>0.61</b>		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 13:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 13:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 13:16	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:16	1
<b>Cobalt</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:16	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:16	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 13:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 13:16	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:16	1
<b>Nickel</b>	<b>0.048</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:16	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:52	10/09/19 13:16	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:16	1
<b>Zinc</b>	<b>0.039</b>	<b>J B</b>	0.50	0.020	mg/L		10/08/19 08:52	10/09/19 13:16	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 16:14	10/08/19 14:58	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:14	10/08/19 14:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 14:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 14:58	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:58	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:58	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:58	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 14:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 14:58	1
<b>Manganese</b>	<b>0.025</b>		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:58	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 14:58	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(10-16)-092919**

**Lab Sample ID: 500-170912-14**

Date Collected: 09/29/19 23:27

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 14:58	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 14:58	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.49	J	1.1	0.22	mg/Kg	☼	10/07/19 10:37	10/08/19 04:36	1
Arsenic	8.0		0.57	0.19	mg/Kg	☼	10/07/19 10:37	10/08/19 04:36	1
Barium	48		0.57	0.065	mg/Kg	☼	10/07/19 10:37	10/08/19 04:36	1
Beryllium	0.76		0.23	0.053	mg/Kg	☼	10/07/19 10:37	10/08/19 04:36	1
Cadmium	0.21		0.11	0.020	mg/Kg	☼	10/07/19 10:37	10/08/19 04:36	1
Calcium	56000		57	9.6	mg/Kg	☼	10/07/19 10:37	10/08/19 15:41	5
Chromium	18		0.57	0.28	mg/Kg	☼	10/07/19 10:37	10/08/19 14:19	1
Cobalt	12		0.28	0.074	mg/Kg	☼	10/07/19 10:37	10/08/19 04:36	1
Copper	30	B	0.57	0.16	mg/Kg	☼	10/07/19 10:37	10/08/19 04:36	1
Iron	18000		11	5.9	mg/Kg	☼	10/07/19 10:37	10/08/19 04:36	1
Lead	13		0.28	0.13	mg/Kg	☼	10/07/19 10:37	10/08/19 14:19	1
Magnesium	22000	B	5.7	2.8	mg/Kg	☼	10/07/19 10:37	10/08/19 04:36	1
Manganese	330		0.57	0.082	mg/Kg	☼	10/07/19 10:37	10/08/19 14:19	1
Nickel	32		0.57	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 04:36	1
Potassium	4200		28	10	mg/Kg	☼	10/07/19 10:37	10/08/19 14:19	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	10/07/19 10:37	10/08/19 04:36	1
Silver	2.3		0.28	0.073	mg/Kg	☼	10/07/19 10:37	10/08/19 04:36	1
Sodium	220		57	8.4	mg/Kg	☼	10/07/19 10:37	10/08/19 14:19	1
Thallium	2.0		0.57	0.28	mg/Kg	☼	10/07/19 10:37	10/08/19 04:36	1
Vanadium	21		0.28	0.067	mg/Kg	☼	10/07/19 10:37	10/08/19 04:36	1
Zinc	53	B	1.1	0.50	mg/Kg	☼	10/07/19 10:37	10/08/19 14:19	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 08:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:39	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.019	0.0065	mg/Kg	☼	10/03/19 14:35	10/04/19 10:03	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.6		0.2	0.2	SU			10/04/19 18:13	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(16-22)-092919**

**Lab Sample ID: 500-170912-15**

**Date Collected: 09/29/19 23:45**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 80.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00066	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
1,1,2,2-Tetrachloroethane	<0.0020	*	0.0020	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00084	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
1,1-Dichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
1,1-Dichloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00069	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
2-Hexanone	<0.0049	*	0.0049	0.0015	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Acetone	<0.020	*	0.020	0.0086	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Benzene	<0.0020		0.0020	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Bromoform	<0.0020		0.0020	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Bromomethane	<0.0049		0.0049	0.0019	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Carbon disulfide	<0.0049		0.0049	0.0010	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Carbon tetrachloride	<0.0020		0.0020	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Chlorobenzene	<0.0020		0.0020	0.00073	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Chloroethane	<0.0049	*	0.0049	0.0015	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Chloroform	<0.0020		0.0020	0.00068	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Chloromethane	<0.0049		0.0049	0.0020	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Dibromochloromethane	<0.0020		0.0020	0.00064	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Ethylbenzene	<0.0020		0.0020	0.00094	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Methyl Ethyl Ketone	<0.0049	*	0.0049	0.0022	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
methyl isobutyl ketone	<0.0049		0.0049	0.0015	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Methylene Chloride	<0.0049		0.0049	0.0019	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Styrene	<0.0020		0.0020	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Tetrachloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Toluene	<0.0020		0.0020	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00087	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00069	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Trichloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Vinyl chloride	<0.0020		0.0020	0.00087	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1
Xylenes, Total	<0.0039		0.0039	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	09/30/19 17:30	10/07/19 18:24	1
4-Bromofluorobenzene (Surr)	94	*	75 - 131	09/30/19 17:30	10/07/19 18:24	1
Dibromofluoromethane	94		75 - 126	09/30/19 17:30	10/07/19 18:24	1
Toluene-d8 (Surr)	98		75 - 124	09/30/19 17:30	10/07/19 18:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(16-22)-092919**

**Lab Sample ID: 500-170912-15**

**Date Collected: 09/29/19 23:45**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 80.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
2,4-Dinitrophenol	<0.82	*	0.82	0.71	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Benzo[a]pyrene	<0.040		0.040	0.0079	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
<b>Chrysene</b>	<b>0.024</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
<b>Fluoranthene</b>	<b>0.020</b>	<b>J</b>	0.040	0.0075	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(16-22)-092919**

**Lab Sample ID: 500-170912-15**

Date Collected: 09/29/19 23:45

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.9

**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	<0.040		0.040	0.011	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
<b>Phenanthrene</b>	<b>0.10</b>		0.040	0.0057	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
<b>Pyrene</b>	<b>0.040</b>		0.040	0.0081	mg/Kg	☼	10/04/19 16:18	10/08/19 02:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	65		31 - 143				10/04/19 16:18	10/08/19 02:22	1
2-Fluorobiphenyl	85		43 - 145				10/04/19 16:18	10/08/19 02:22	1
2-Fluorophenol	126		31 - 166				10/04/19 16:18	10/08/19 02:22	1
Nitrobenzene-d5	75		37 - 147				10/04/19 16:18	10/08/19 02:22	1
Phenol-d5	109		30 - 153				10/04/19 16:18	10/08/19 02:22	1
Terphenyl-d14	162	X	42 - 157				10/04/19 16:18	10/08/19 02:22	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 13:20	1
<b>Barium</b>	<b>0.17</b>	J	0.50	0.050	mg/L		10/08/19 08:52	10/09/19 13:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 13:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 13:20	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:20	1
<b>Cobalt</b>	<b>0.016</b>	J	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:20	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:20	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 13:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 13:20	1
<b>Manganese</b>	<b>2.0</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:20	1
<b>Nickel</b>	<b>0.034</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:20	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:52	10/09/19 13:20	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:20	1
Zinc	<0.50		0.50	0.020	mg/L		10/08/19 08:52	10/09/19 13:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:14	10/08/19 15:03	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:14	10/08/19 15:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 15:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 15:03	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:03	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:03	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:03	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 15:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 15:03	1
<b>Manganese</b>	<b>0.043</b>		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:03	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:03	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 15:03	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(16-22)-092919**

**Lab Sample ID: 500-170912-15**

Date Collected: 09/29/19 23:45

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.9

**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 16:14	10/08/19 15:03	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 15:03	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.50	J	1.2	0.23	mg/Kg	☼	10/07/19 10:37	10/08/19 04:40	1
Arsenic	8.6		0.59	0.20	mg/Kg	☼	10/07/19 10:37	10/08/19 04:40	1
Barium	44		0.59	0.068	mg/Kg	☼	10/07/19 10:37	10/08/19 04:40	1
Beryllium	0.80		0.24	0.055	mg/Kg	☼	10/07/19 10:37	10/08/19 04:40	1
Cadmium	0.24		0.12	0.021	mg/Kg	☼	10/07/19 10:37	10/08/19 04:40	1
Calcium	59000		59	10	mg/Kg	☼	10/07/19 10:37	10/08/19 15:45	5
Chromium	18		0.59	0.29	mg/Kg	☼	10/07/19 10:37	10/08/19 14:24	1
Cobalt	13		0.30	0.078	mg/Kg	☼	10/07/19 10:37	10/08/19 04:40	1
Copper	34	B	0.59	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 04:40	1
Iron	18000		12	6.2	mg/Kg	☼	10/07/19 10:37	10/08/19 04:40	1
Lead	14		0.30	0.14	mg/Kg	☼	10/07/19 10:37	10/08/19 14:24	1
Magnesium	22000	B	5.9	2.9	mg/Kg	☼	10/07/19 10:37	10/08/19 04:40	1
Manganese	310		0.59	0.086	mg/Kg	☼	10/07/19 10:37	10/08/19 14:24	1
Nickel	34		0.59	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 04:40	1
Potassium	4300		30	10	mg/Kg	☼	10/07/19 10:37	10/08/19 14:24	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	10/07/19 10:37	10/08/19 04:40	1
Silver	2.1		0.30	0.076	mg/Kg	☼	10/07/19 10:37	10/08/19 04:40	1
Sodium	290		59	8.8	mg/Kg	☼	10/07/19 10:37	10/08/19 14:24	1
Thallium	2.0		0.59	0.30	mg/Kg	☼	10/07/19 10:37	10/08/19 04:40	1
Vanadium	22		0.30	0.070	mg/Kg	☼	10/07/19 10:37	10/08/19 04:40	1
Zinc	48	B	1.2	0.52	mg/Kg	☼	10/07/19 10:37	10/08/19 14:24	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 08:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:41	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.019	0.0064	mg/Kg	☼	10/03/19 14:35	10/04/19 10:05	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			10/04/19 18:28	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(22-23)-092919**

**Lab Sample ID: 500-170912-16**

Date Collected: 09/29/19 23:55

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
2-Hexanone	<0.0045	*	0.0045	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Acetone	<0.018	*	0.018	0.0078	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Chloroethane	<0.0045	*	0.0045	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Methyl Ethyl Ketone	<0.0045	*	0.0045	0.0020	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 18:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	09/30/19 17:30	10/07/19 18:50	1
4-Bromofluorobenzene (Surr)	91		75 - 131	09/30/19 17:30	10/07/19 18:50	1
Dibromofluoromethane	96		75 - 126	09/30/19 17:30	10/07/19 18:50	1
Toluene-d8 (Surr)	97		75 - 124	09/30/19 17:30	10/07/19 18:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(22-23)-092919**

**Lab Sample ID: 500-170912-16**

Date Collected: 09/29/19 23:55

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.093	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
2,4-Dimethylphenol	<0.41		0.41	0.15	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
2,4-Dinitrophenol	<0.82	*	0.82	0.72	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
2-Chlorophenol	<0.20		0.20	0.070	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
<b>2-Methylnaphthalene</b>	<b>0.059</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
2-Nitrophenol	<0.41		0.41	0.096	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
<b>Acenaphthene</b>	<b>0.018</b>	<b>J</b>	0.041	0.0073	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Anthracene	<0.041		0.041	0.0068	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Benzo[a]pyrene	<0.041		0.041	0.0079	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Benzo[b]fluoranthene	<0.041		0.041	0.0088	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.042	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Butyl benzyl phthalate	<0.20		0.20	0.078	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
<b>Chrysene</b>	<b>0.016</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Di-n-octyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
<b>Fluoranthene</b>	<b>0.018</b>	<b>J</b>	0.041	0.0076	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
<b>Fluorene</b>	<b>0.010</b>	<b>J</b>	0.041	0.0057	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Hexachlorobenzene	<0.082		0.082	0.0095	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(22-23)-092919**

**Lab Sample ID: 500-170912-16**

Date Collected: 09/29/19 23:55

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
<b>Phenanthrene</b>	<b>0.13</b>		0.041	0.0057	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Phenol	<0.20		0.20	0.091	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1
Pyrene	<0.041		0.041	0.0081	mg/Kg	☼	10/04/19 16:18	10/08/19 02:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	54		31 - 143	10/04/19 16:18	10/08/19 02:50	1
2-Fluorobiphenyl	85		43 - 145	10/04/19 16:18	10/08/19 02:50	1
2-Fluorophenol	124		31 - 166	10/04/19 16:18	10/08/19 02:50	1
Nitrobenzene-d5	73		37 - 147	10/04/19 16:18	10/08/19 02:50	1
Phenol-d5	116		30 - 153	10/04/19 16:18	10/08/19 02:50	1
Terphenyl-d14	151		42 - 157	10/04/19 16:18	10/08/19 02:50	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 13:24	1
<b>Barium</b>	<b>0.53</b>		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 13:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 13:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 13:24	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:24	1
<b>Cobalt</b>	<b>0.012 J</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:24	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:24	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 13:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 13:24	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:24	1
<b>Nickel</b>	<b>0.036</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:24	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:52	10/09/19 13:24	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:24	1
<b>Zinc</b>	<b>0.020 J B</b>		0.50	0.020	mg/L		10/08/19 08:52	10/09/19 13:24	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 16:14	10/08/19 15:15	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:14	10/08/19 15:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 15:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 15:15	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:15	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:15	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:15	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 15:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 15:15	1
<b>Manganese</b>	<b>0.018 J</b>		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:15	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:15	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 15:15	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-33(22-23)-092919**

**Lab Sample ID: 500-170912-16**

Date Collected: 09/29/19 23:55

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.8

**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 16:14	10/08/19 15:15	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 15:15	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.62	J	1.1	0.22	mg/Kg	☼	10/07/19 10:37	10/08/19 04:44	1
Arsenic	8.5		0.57	0.19	mg/Kg	☼	10/07/19 10:37	10/08/19 04:44	1
Barium	49		0.57	0.065	mg/Kg	☼	10/07/19 10:37	10/08/19 04:44	1
Beryllium	0.78		0.23	0.053	mg/Kg	☼	10/07/19 10:37	10/08/19 04:44	1
Cadmium	0.20		0.11	0.020	mg/Kg	☼	10/07/19 10:37	10/08/19 04:44	1
Calcium	55000		57	9.6	mg/Kg	☼	10/07/19 10:37	10/08/19 15:49	5
Chromium	18		0.57	0.28	mg/Kg	☼	10/07/19 10:37	10/08/19 14:36	1
Cobalt	12		0.28	0.074	mg/Kg	☼	10/07/19 10:37	10/08/19 04:44	1
Copper	30	B	0.57	0.16	mg/Kg	☼	10/07/19 10:37	10/08/19 04:44	1
Iron	18000		11	5.9	mg/Kg	☼	10/07/19 10:37	10/08/19 04:44	1
Lead	14		0.28	0.13	mg/Kg	☼	10/07/19 10:37	10/08/19 14:36	1
Magnesium	24000	B	5.7	2.8	mg/Kg	☼	10/07/19 10:37	10/08/19 04:44	1
Manganese	320		0.57	0.082	mg/Kg	☼	10/07/19 10:37	10/08/19 14:36	1
Nickel	32		0.57	0.16	mg/Kg	☼	10/07/19 10:37	10/08/19 04:44	1
Potassium	4500		28	10	mg/Kg	☼	10/07/19 10:37	10/08/19 14:36	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	10/07/19 10:37	10/08/19 04:44	1
Silver	2.3		0.28	0.073	mg/Kg	☼	10/07/19 10:37	10/08/19 04:44	1
Sodium	230		57	8.4	mg/Kg	☼	10/07/19 10:37	10/08/19 14:36	1
Thallium	2.0		0.57	0.28	mg/Kg	☼	10/07/19 10:37	10/08/19 04:44	1
Vanadium	22		0.28	0.067	mg/Kg	☼	10/07/19 10:37	10/08/19 04:44	1
Zinc	60	B	1.1	0.50	mg/Kg	☼	10/07/19 10:37	10/08/19 14:36	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 08:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:42	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.020	0.0066	mg/Kg	☼	10/03/19 14:35	10/04/19 10:08	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/04/19 18:28	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-36(0-4)-093019**

**Lab Sample ID: 500-170912-17**

**Date Collected: 09/30/19 00:53**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 83.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
2-Hexanone	<0.0042	*	0.0042	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Acetone	<0.017	*	0.017	0.0074	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Chloroethane	<0.0042	*	0.0042	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Methyl Ethyl Ketone	<0.0042	*	0.0042	0.0019	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	09/30/19 17:30	10/07/19 19:15	1
4-Bromofluorobenzene (Surr)	93		75 - 131	09/30/19 17:30	10/07/19 19:15	1
Dibromofluoromethane	97		75 - 126	09/30/19 17:30	10/07/19 19:15	1
Toluene-d8 (Surr)	96		75 - 124	09/30/19 17:30	10/07/19 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-36(0-4)-093019**

**Lab Sample ID: 500-170912-17**

Date Collected: 09/30/19 00:53

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
2,4-Dinitrophenol	<0.80	*	0.80	0.70	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
<b>2-Methylnaphthalene</b>	<b>0.046</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
<b>Acenaphthene</b>	<b>0.023</b>	<b>J</b>	0.039	0.0071	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
<b>Benzo[a]anthracene</b>	<b>0.017</b>	<b>J</b>	0.039	0.0053	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
<b>Benzo[g,h,i]perylene</b>	<b>0.016</b>	<b>J</b>	0.039	0.013	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
<b>Chrysene</b>	<b>0.019</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
<b>Fluoranthene</b>	<b>0.016</b>	<b>J</b>	0.039	0.0073	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Hexachlorobenzene	<0.080		0.080	0.0091	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-36(0-4)-093019**

**Lab Sample ID: 500-170912-17**

Date Collected: 09/30/19 00:53

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
<b>Naphthalene</b>	<b>0.013</b>	<b>J</b>	0.039	0.0061	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
<b>Phenanthrene</b>	<b>0.16</b>		0.039	0.0055	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
<b>Pyrene</b>	<b>0.025</b>	<b>J</b>	0.039	0.0078	mg/Kg	☼	10/04/19 16:18	10/08/19 14:42	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	44		31 - 143				10/04/19 16:18	10/08/19 14:42	1
2-Fluorobiphenyl	76		43 - 145				10/04/19 16:18	10/08/19 14:42	1
2-Fluorophenol	100		31 - 166				10/04/19 16:18	10/08/19 14:42	1
Nitrobenzene-d5	69		37 - 147				10/04/19 16:18	10/08/19 14:42	1
Phenol-d5	89		30 - 153				10/04/19 16:18	10/08/19 14:42	1
Terphenyl-d14	104		42 - 157				10/04/19 16:18	10/08/19 14:42	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 13:28	1
<b>Barium</b>	<b>0.59</b>		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 13:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 13:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 13:28	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:28	1
<b>Cobalt</b>	<b>0.030</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:28	1
<b>Copper</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:28	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 13:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 13:28	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:28	1
<b>Nickel</b>	<b>0.081</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:28	1
<b>Selenium</b>	<b>0.022</b>	<b>J</b>	0.050	0.020	mg/L		10/08/19 08:52	10/09/19 13:28	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:28	1
<b>Zinc</b>	<b>0.020</b>	<b>J B</b>	0.50	0.020	mg/L		10/08/19 08:52	10/09/19 13:28	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		10/07/19 16:14	10/08/19 15:19	1
<b>Barium</b>	<b>0.057</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:14	10/08/19 15:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 15:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 15:19	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:19	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:19	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:19	1
<b>Iron</b>	<b>1.0</b>		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 15:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 15:19	1
<b>Manganese</b>	<b>0.023</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:19	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:19	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 15:19	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-36(0-4)-093019**

**Lab Sample ID: 500-170912-17**

Date Collected: 09/30/19 00:53

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:19	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 15:19	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.63	J	1.1	0.22	mg/Kg	☼	10/07/19 10:37	10/08/19 04:48	1
Arsenic	9.5		0.56	0.19	mg/Kg	☼	10/07/19 10:37	10/08/19 04:48	1
Barium	39		0.56	0.064	mg/Kg	☼	10/07/19 10:37	10/08/19 04:48	1
Beryllium	0.81		0.22	0.052	mg/Kg	☼	10/07/19 10:37	10/08/19 04:48	1
Cadmium	0.22		0.11	0.020	mg/Kg	☼	10/07/19 10:37	10/08/19 04:48	1
Calcium	46000		56	9.5	mg/Kg	☼	10/07/19 10:37	10/08/19 18:41	5
Chromium	18		0.56	0.28	mg/Kg	☼	10/07/19 10:37	10/08/19 14:40	1
Cobalt	13		0.28	0.073	mg/Kg	☼	10/07/19 10:37	10/08/19 04:48	1
Copper	38	B	0.56	0.16	mg/Kg	☼	10/07/19 10:37	10/08/19 04:48	1
Iron	18000		11	5.8	mg/Kg	☼	10/07/19 10:37	10/08/19 04:48	1
Lead	15		0.28	0.13	mg/Kg	☼	10/07/19 10:37	10/08/19 04:48	1
Magnesium	21000	B	5.6	2.8	mg/Kg	☼	10/07/19 10:37	10/08/19 04:48	1
Manganese	270		0.56	0.081	mg/Kg	☼	10/07/19 10:37	10/08/19 14:40	1
Nickel	36		0.56	0.16	mg/Kg	☼	10/07/19 10:37	10/08/19 04:48	1
Potassium	4500		28	9.9	mg/Kg	☼	10/07/19 10:37	10/08/19 14:40	1
Selenium	0.33	J	0.56	0.33	mg/Kg	☼	10/07/19 10:37	10/08/19 04:48	1
Silver	2.2		0.28	0.072	mg/Kg	☼	10/07/19 10:37	10/08/19 04:48	1
Sodium	1200		56	8.3	mg/Kg	☼	10/07/19 10:37	10/08/19 14:40	1
Thallium	1.9		0.56	0.28	mg/Kg	☼	10/07/19 10:37	10/08/19 04:48	1
Vanadium	21		0.28	0.066	mg/Kg	☼	10/07/19 10:37	10/08/19 04:48	1
Zinc	45	B	1.1	0.49	mg/Kg	☼	10/07/19 10:37	10/08/19 14:40	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 08:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:44	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.019	0.0063	mg/Kg	☼	10/03/19 14:35	10/04/19 10:10	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/07/19 15:15	1



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-36(4-10)-093019**

**Lab Sample ID: 500-170912-18**

**Date Collected: 09/30/19 01:03**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 80.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
2-Hexanone	<0.0044	*	0.0044	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Acetone	<0.018	*	0.018	0.0077	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Chloroethane	<0.0044	*	0.0044	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Ethylbenzene	<0.0018		0.0018	0.00084	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Methyl Ethyl Ketone	<0.0044	*	0.0044	0.0020	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	09/30/19 17:30	10/07/19 19:40	1
4-Bromofluorobenzene (Surr)	95		75 - 131	09/30/19 17:30	10/07/19 19:40	1
Dibromofluoromethane	100		75 - 126	09/30/19 17:30	10/07/19 19:40	1
Toluene-d8 (Surr)	96		75 - 124	09/30/19 17:30	10/07/19 19:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-36(4-10)-093019**

**Lab Sample ID: 500-170912-18**

**Date Collected: 09/30/19 01:03**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 80.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
2,4-Dichlorophenol	<0.40		0.40	0.097	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
2,4-Dinitrophenol	<0.82	*	0.82	0.72	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
<b>2-Methylnaphthalene</b>	<b>0.071</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
<b>Acenaphthene</b>	<b>0.025</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Benzo[a]pyrene	<0.040		0.040	0.0079	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
<b>Benzo[g,h,i]perylene</b>	<b>0.020</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.042	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
<b>Chrysene</b>	<b>0.039</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
<b>Diethyl phthalate</b>	<b>0.084</b>	<b>J</b>	0.20	0.069	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
<b>Fluorene</b>	<b>0.013</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-36(4-10)-093019**

**Lab Sample ID: 500-170912-18**

Date Collected: 09/30/19 01:03

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.011	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
<b>Naphthalene</b>	<b>0.016</b>	<b>J</b>	0.040	0.0063	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
<b>Phenanthrene</b>	<b>0.20</b>		0.040	0.0057	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
<b>Pyrene</b>	<b>0.033</b>	<b>J</b>	0.040	0.0081	mg/Kg	☼	10/04/19 16:18	10/08/19 15:40	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	53		31 - 143				10/04/19 16:18	10/08/19 15:40	1
2-Fluorobiphenyl	87		43 - 145				10/04/19 16:18	10/08/19 15:40	1
2-Fluorophenol	109		31 - 166				10/04/19 16:18	10/08/19 15:40	1
Nitrobenzene-d5	76		37 - 147				10/04/19 16:18	10/08/19 15:40	1
Phenol-d5	105		30 - 153				10/04/19 16:18	10/08/19 15:40	1
Terphenyl-d14	121		42 - 157				10/04/19 16:18	10/08/19 15:40	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 13:32	1
<b>Barium</b>	<b>0.61</b>		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 13:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 13:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 13:32	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:32	1
<b>Cobalt</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:32	1
<b>Copper</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:32	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 13:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 13:32	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:32	1
<b>Nickel</b>	<b>0.049</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:52	10/09/19 13:32	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:32	1
<b>Zinc</b>	<b>0.054</b>	<b>J B</b>	0.50	0.020	mg/L		10/08/19 08:52	10/09/19 13:32	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 16:14	10/08/19 15:23	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:14	10/08/19 15:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 15:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 15:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:23	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:23	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:23	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 15:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 15:23	1
<b>Manganese</b>	<b>0.028</b>		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:23	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:23	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 15:23	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-36(4-10)-093019**

**Lab Sample ID: 500-170912-18**

Date Collected: 09/30/19 01:03

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.2

**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 16:14	10/08/19 15:23	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 15:23	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.66	J	1.2	0.23	mg/Kg	☼	10/07/19 10:37	10/08/19 04:52	1
Arsenic	9.8		0.59	0.20	mg/Kg	☼	10/07/19 10:37	10/08/19 04:52	1
Barium	41		0.59	0.067	mg/Kg	☼	10/07/19 10:37	10/08/19 04:52	1
Beryllium	0.77		0.24	0.055	mg/Kg	☼	10/07/19 10:37	10/08/19 04:52	1
Cadmium	0.24		0.12	0.021	mg/Kg	☼	10/07/19 10:37	10/08/19 04:52	1
Calcium	53000		59	10	mg/Kg	☼	10/07/19 10:37	10/08/19 15:53	5
Chromium	17		0.59	0.29	mg/Kg	☼	10/07/19 10:37	10/08/19 14:44	1
Cobalt	14		0.30	0.077	mg/Kg	☼	10/07/19 10:37	10/08/19 04:52	1
Copper	40	B	0.59	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 04:52	1
Iron	19000		12	6.1	mg/Kg	☼	10/07/19 10:37	10/08/19 04:52	1
Lead	17		0.30	0.14	mg/Kg	☼	10/07/19 10:37	10/08/19 14:44	1
Magnesium	22000	B	5.9	2.9	mg/Kg	☼	10/07/19 10:37	10/08/19 04:52	1
Manganese	310		0.59	0.086	mg/Kg	☼	10/07/19 10:37	10/08/19 14:44	1
Nickel	35		0.59	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 04:52	1
Potassium	4000		30	10	mg/Kg	☼	10/07/19 10:37	10/08/19 14:44	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	10/07/19 10:37	10/08/19 04:52	1
Silver	2.1		0.30	0.076	mg/Kg	☼	10/07/19 10:37	10/08/19 04:52	1
Sodium	390		59	8.7	mg/Kg	☼	10/07/19 10:37	10/08/19 14:44	1
Thallium	2.0		0.59	0.29	mg/Kg	☼	10/07/19 10:37	10/08/19 04:52	1
Vanadium	20		0.30	0.070	mg/Kg	☼	10/07/19 10:37	10/08/19 04:52	1
Zinc	49	B	1.2	0.52	mg/Kg	☼	10/07/19 10:37	10/08/19 14:44	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:45	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.020	0.0066	mg/Kg	☼	10/03/19 14:35	10/04/19 10:16	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			10/07/19 15:21	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-36(10-15)-093019**

**Lab Sample ID: 500-170912-19**

Date Collected: 09/30/19 01:11

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
1,2-Dichloroethane	<0.0040		0.0040	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
2-Hexanone	<0.0040	*	0.0040	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Acetone	<0.016	*	0.016	0.0070	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Carbon disulfide	<0.0040		0.0040	0.00084	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Chloroethane	<0.0040	*	0.0040	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Methyl Ethyl Ketone	<0.0040	*	0.0040	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	09/30/19 17:30	10/07/19 20:05	1
4-Bromofluorobenzene (Surr)	96		75 - 131	09/30/19 17:30	10/07/19 20:05	1
Dibromofluoromethane	98		75 - 126	09/30/19 17:30	10/07/19 20:05	1
Toluene-d8 (Surr)	101		75 - 124	09/30/19 17:30	10/07/19 20:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
1,4-Dichlorobenzene	<0.21		0.21	0.052	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-36(10-15)-093019**

**Lab Sample ID: 500-170912-19**

Date Collected: 09/30/19 01:11

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.093	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
2,4-Dinitrophenol	<0.83	*	0.83	0.72	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
2,6-Dinitrotoluene	<0.21		0.21	0.080	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
<b>2-Methylnaphthalene</b>	<b>0.017</b>	<b>J</b>	0.083	0.0075	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
<b>Acenaphthene</b>	<b>0.014</b>	<b>J</b>	0.041	0.0074	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Anthracene	<0.041		0.041	0.0068	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Benzo[a]pyrene	<0.041		0.041	0.0079	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Benzo[b]fluoranthene	<0.041		0.041	0.0088	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
<b>Benzo[g,h,i]perylene</b>	<b>0.019</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
<b>Chrysene</b>	<b>0.032</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
<b>Diethyl phthalate</b>	<b>0.082</b>	<b>J</b>	0.21	0.069	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Dimethyl phthalate	<0.21		0.21	0.053	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
<b>Fluoranthene</b>	<b>0.015</b>	<b>J</b>	0.041	0.0076	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
<b>Fluorene</b>	<b>0.0092</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-36(10-15)-093019**

**Lab Sample ID: 500-170912-19**

Date Collected: 09/30/19 01:11

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
<b>Naphthalene</b>	<b>0.019</b>	<b>J</b>	0.041	0.0063	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
<b>N-Nitrosodiphenylamine</b>	<b>0.071</b>	<b>J</b>	0.21	0.048	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
<b>Phenanthrene</b>	<b>0.15</b>		0.041	0.0057	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1
<b>Pyrene</b>	<b>0.026</b>	<b>J</b>	0.041	0.0081	mg/Kg	☼	10/04/19 16:18	10/08/19 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	50		31 - 143	10/04/19 16:18	10/08/19 15:11	1
2-Fluorobiphenyl	87		43 - 145	10/04/19 16:18	10/08/19 15:11	1
2-Fluorophenol	120		31 - 166	10/04/19 16:18	10/08/19 15:11	1
Nitrobenzene-d5	80		37 - 147	10/04/19 16:18	10/08/19 15:11	1
Phenol-d5	110		30 - 153	10/04/19 16:18	10/08/19 15:11	1
Terphenyl-d14	112		42 - 157	10/04/19 16:18	10/08/19 15:11	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 13:36	1
<b>Barium</b>	<b>0.63</b>		0.50	0.050	mg/L		10/08/19 08:52	10/09/19 13:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 13:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 13:36	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:36	1
<b>Cobalt</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:36	1
<b>Copper</b>	<b>0.10</b>	<b>F1</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:36	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 13:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 13:36	1
<b>Manganese</b>	<b>2.1</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:36	1
<b>Nickel</b>	<b>0.045</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:36	1
<b>Selenium</b>	<b>0.020</b>	<b>J F1</b>	0.050	0.020	mg/L		10/08/19 08:52	10/09/19 13:36	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:36	1
<b>Zinc</b>	<b>0.028</b>	<b>J B</b>	0.50	0.020	mg/L		10/08/19 08:52	10/09/19 13:36	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 16:14	10/08/19 15:28	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:14	10/08/19 15:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 15:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 15:28	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:28	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:28	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:28	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 15:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 15:28	1
<b>Manganese</b>	<b>0.034</b>		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:28	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:28	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 15:28	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-36(10-15)-093019**

**Lab Sample ID: 500-170912-19**

Date Collected: 09/30/19 01:11

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.1

**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 16:14	10/08/19 15:28	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:14	10/08/19 15:28	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.68	J	1.1	0.22	mg/Kg	☼	10/07/19 10:37	10/08/19 04:56	1
Arsenic	8.0		0.56	0.19	mg/Kg	☼	10/07/19 10:37	10/08/19 04:56	1
Barium	53		0.56	0.064	mg/Kg	☼	10/07/19 10:37	10/08/19 04:56	1
Beryllium	0.82		0.22	0.052	mg/Kg	☼	10/07/19 10:37	10/08/19 04:56	1
Cadmium	0.18		0.11	0.020	mg/Kg	☼	10/07/19 10:37	10/08/19 04:56	1
Calcium	47000		56	9.5	mg/Kg	☼	10/07/19 10:37	10/08/19 18:45	5
Chromium	19		0.56	0.28	mg/Kg	☼	10/07/19 10:37	10/08/19 14:48	1
Cobalt	13		0.28	0.073	mg/Kg	☼	10/07/19 10:37	10/08/19 04:56	1
Copper	36	B	0.56	0.16	mg/Kg	☼	10/07/19 10:37	10/08/19 04:56	1
Iron	18000		11	5.8	mg/Kg	☼	10/07/19 10:37	10/08/19 04:56	1
Lead	15		0.28	0.13	mg/Kg	☼	10/07/19 10:37	10/08/19 04:56	1
Magnesium	22000	B	5.6	2.8	mg/Kg	☼	10/07/19 10:37	10/08/19 04:56	1
Manganese	330		0.56	0.081	mg/Kg	☼	10/07/19 10:37	10/08/19 14:48	1
Nickel	34		0.56	0.16	mg/Kg	☼	10/07/19 10:37	10/08/19 04:56	1
Potassium	4600		28	9.9	mg/Kg	☼	10/07/19 10:37	10/08/19 14:48	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	10/07/19 10:37	10/08/19 04:56	1
Silver	2.3		0.28	0.072	mg/Kg	☼	10/07/19 10:37	10/08/19 04:56	1
Sodium	220		56	8.3	mg/Kg	☼	10/07/19 10:37	10/08/19 14:48	1
Thallium	2.0		0.56	0.28	mg/Kg	☼	10/07/19 10:37	10/08/19 04:56	1
Vanadium	22		0.28	0.066	mg/Kg	☼	10/07/19 10:37	10/08/19 04:56	1
Zinc	45	B	1.1	0.49	mg/Kg	☼	10/07/19 10:37	10/08/19 14:48	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 08:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:47	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.020	0.0068	mg/Kg	☼	10/03/19 14:35	10/04/19 10:18	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/07/19 15:23	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-35(0-4)-093019**

**Lab Sample ID: 500-170912-20**

Date Collected: 09/30/19 01:47

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
2-Hexanone	<0.0041	*	0.0041	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Acetone	<0.016	*	0.016	0.0071	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Carbon disulfide	<0.0041		0.0041	0.00084	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Chloroethane	<0.0041	*	0.0041	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Methyl Ethyl Ketone	<0.0041	*	0.0041	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	09/30/19 17:30	10/07/19 20:31	1
4-Bromofluorobenzene (Surr)	99		75 - 131	09/30/19 17:30	10/07/19 20:31	1
Dibromofluoromethane	96		75 - 126	09/30/19 17:30	10/07/19 20:31	1
Toluene-d8 (Surr)	97		75 - 124	09/30/19 17:30	10/07/19 20:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-35(0-4)-093019**

**Lab Sample ID: 500-170912-20**

Date Collected: 09/30/19 01:47

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.091	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
2,4-Dinitrophenol	<0.80	* F1	0.80	0.70	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
<b>2-Methylnaphthalene</b>	<b>0.057</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
<b>Acenaphthene</b>	<b>0.028</b>	<b>J</b>	0.039	0.0071	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
<b>Benzo[a]pyrene</b>	<b>0.052</b>		0.039	0.0077	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Benzo[b]fluoranthene	<0.039		0.039	0.0086	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
<b>Benzo[g,h,i]perylene</b>	<b>0.025</b>	<b>J F1</b>	0.039	0.013	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>0.080</b>	<b>J F1</b>	0.20	0.072	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Butyl benzyl phthalate	<0.20	F1	0.20	0.075	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
<b>Chrysene</b>	<b>0.038</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
<b>Fluoranthene</b>	<b>0.031</b>	<b>J</b>	0.039	0.0074	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
<b>Fluorene</b>	<b>0.015</b>	<b>J</b>	0.039	0.0056	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Hexachlorocyclopentadiene	<0.80	F1	0.80	0.23	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Hexachloroethane	<0.20	F1	0.20	0.060	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-35(0-4)-093019**

**Lab Sample ID: 500-170912-20**

Date Collected: 09/30/19 01:47

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 82.0

**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	<0.039	F1	0.039	0.010	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
<b>Phenanthrene</b>	<b>0.18</b>		0.039	0.0055	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1
<b>Pyrene</b>	<b>0.037</b>	<b>J</b>	0.039	0.0079	mg/Kg	☼	10/04/19 16:18	10/07/19 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	52		31 - 143	10/04/19 16:18	10/07/19 18:41	1
2-Fluorobiphenyl	85		43 - 145	10/04/19 16:18	10/07/19 18:41	1
2-Fluorophenol	93		31 - 166	10/04/19 16:18	10/07/19 18:41	1
Nitrobenzene-d5	73		37 - 147	10/04/19 16:18	10/07/19 18:41	1
Phenol-d5	86		30 - 153	10/04/19 16:18	10/07/19 18:41	1
Terphenyl-d14	117		42 - 157	10/04/19 16:18	10/07/19 18:41	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 08:52	10/09/19 13:53	1
<b>Barium</b>	<b>0.41</b>	<b>J</b>	0.50	0.050	mg/L		10/08/19 08:52	10/09/19 13:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:52	10/09/19 13:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:52	10/09/19 13:53	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:53	1
<b>Cobalt</b>	<b>0.028</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:53	1
<b>Copper</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:53	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:52	10/09/19 13:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:52	10/09/19 13:53	1
<b>Manganese</b>	<b>2.1</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:53	1
<b>Nickel</b>	<b>0.062</b>		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:53	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:52	10/09/19 13:53	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:52	10/09/19 13:53	1
<b>Zinc</b>	<b>0.025</b>	<b>J B</b>	0.50	0.020	mg/L		10/08/19 08:52	10/09/19 13:53	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 16:14	10/08/19 15:32	1
<b>Barium</b>	<b>0.054</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:14	10/08/19 15:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:14	10/08/19 15:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:14	10/08/19 15:32	1
<b>Chromium</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:32	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:32	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:32	1
<b>Iron</b>	<b>4.7</b>		0.40	0.20	mg/L		10/07/19 16:14	10/08/19 15:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:14	10/08/19 15:32	1
<b>Manganese</b>	<b>0.055</b>		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:32	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:14	10/08/19 15:32	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

**Client Sample ID: ROW-35(0-4)-093019**

**Lab Sample ID: 500-170912-20**

Date Collected: 09/30/19 01:47

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:14	10/08/19 15:32	1
<b>Zinc</b>	<b>0.026</b>	<b>J</b>	0.50	0.020	mg/L		10/07/19 16:14	10/08/19 15:32	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.54</b>	<b>J F1 F2</b>	1.2	0.23	mg/Kg	☼	10/07/19 10:37	10/08/19 05:00	1
<b>Arsenic</b>	<b>8.5</b>	<b>F1 F2</b>	0.60	0.21	mg/Kg	☼	10/07/19 10:37	10/08/19 05:00	1
<b>Barium</b>	<b>29</b>	<b>F1 F2</b>	0.60	0.069	mg/Kg	☼	10/07/19 10:37	10/08/19 05:00	1
<b>Beryllium</b>	<b>0.79</b>	<b>F1 F2</b>	0.24	0.056	mg/Kg	☼	10/07/19 10:37	10/08/19 05:00	1
<b>Cadmium</b>	<b>0.33</b>	<b>F1 F2</b>	0.12	0.022	mg/Kg	☼	10/07/19 10:37	10/08/19 05:00	1
<b>Calcium</b>	<b>54000</b>	<b>F2</b>	60	10	mg/Kg	☼	10/07/19 10:37	10/08/19 15:57	5
<b>Chromium</b>	<b>18</b>	<b>F1 F2</b>	0.60	0.30	mg/Kg	☼	10/07/19 10:37	10/08/19 14:52	1
<b>Cobalt</b>	<b>13</b>	<b>F1 F2</b>	0.30	0.079	mg/Kg	☼	10/07/19 10:37	10/08/19 05:00	1
<b>Copper</b>	<b>38</b>	<b>F1 F2 B</b>	0.60	0.17	mg/Kg	☼	10/07/19 10:37	10/08/19 05:00	1
<b>Iron</b>	<b>18000</b>	<b>F2</b>	12	6.3	mg/Kg	☼	10/07/19 10:37	10/08/19 05:00	1
<b>Lead</b>	<b>18</b>	<b>F1 F2</b>	0.30	0.14	mg/Kg	☼	10/07/19 10:37	10/08/19 14:52	1
<b>Magnesium</b>	<b>25000</b>	<b>F2 B</b>	6.0	3.0	mg/Kg	☼	10/07/19 10:37	10/08/19 05:00	1
<b>Manganese</b>	<b>290</b>	<b>F2</b>	0.60	0.087	mg/Kg	☼	10/07/19 10:37	10/08/19 14:52	1
<b>Nickel</b>	<b>34</b>	<b>F1 F2</b>	0.60	0.18	mg/Kg	☼	10/07/19 10:37	10/08/19 05:00	1
<b>Potassium</b>	<b>4400</b>	<b>F2</b>	30	11	mg/Kg	☼	10/07/19 10:37	10/08/19 14:52	1
Selenium	<0.60	F1 F2	0.60	0.35	mg/Kg	☼	10/07/19 10:37	10/08/19 05:00	1
<b>Silver</b>	<b>2.1</b>	<b>F1 F2</b>	0.30	0.078	mg/Kg	☼	10/07/19 10:37	10/08/19 05:00	1
<b>Sodium</b>	<b>1900</b>	<b>F1 F2</b>	60	8.9	mg/Kg	☼	10/07/19 10:37	10/08/19 14:52	1
<b>Thallium</b>	<b>1.9</b>	<b>F1 F2</b>	0.60	0.30	mg/Kg	☼	10/07/19 10:37	10/08/19 05:00	1
<b>Vanadium</b>	<b>22</b>	<b>F1 F2</b>	0.30	0.071	mg/Kg	☼	10/07/19 10:37	10/08/19 05:00	1
<b>Zinc</b>	<b>65</b>	<b>B F1 F2</b>	1.2	0.53	mg/Kg	☼	10/07/19 10:37	10/08/19 14:52	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 08:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 11:49	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.021</b>		0.019	0.0063	mg/Kg	☼	10/03/19 14:35	10/04/19 10:20	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.7</b>		0.2	0.2	SU			10/07/19 15:26	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170912-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
*	ISTD response or retention time outside acceptable 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.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

### Metals

Qualifier	Qualifier Description
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 - Circle Interchange-WO 003

Job ID: 500-170912-1

## 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	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL  
Phone: 708.534.5200 Fax: 708.5



500-170912 COC

Report To (optional)  
Contact: Adria Skossors  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

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

## Chain of Custody Record

Lab Job #: 500-170912  
Chain of Custody Number: \_\_\_\_\_  
Page 1 of 4  
Temperature °C of Cooler: 43.525559

Client		Client Project #		Preservative		Parameter												Preservative Key	
<u>Weston</u>		<u>62056.016.003</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		Project Location/State		Lab Project #		Lab PM													
<u>IDOT 90/94</u>		<u>Chicago, IL</u>																	
Sampler																			
<u>C. Pence</u>																			
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total Metals	TECP/SPEP Metals	pH						Comments		
			Date	Time															
<u>1</u>		<u>ROW-22(7-10)-092919</u>	<u>9/29/19</u>	<u>2300</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>2</u>		<u>ROW-22(10-15)-092919</u>		<u>2310</u>	<u>6</u>	<u>S</u>													
<u>3</u>		<u>ROW-22(15-20)-092919</u>		<u>2315</u>	<u>6</u>	<u>S</u>													
<u>4</u>		<u>ROW-22(20-26)-092919</u>		<u>2325</u>	<u>6</u>	<u>S</u>													
<u>5</u>		<u>ROW-22(26-32)-092919</u>		<u>2335</u>	<u>6</u>	<u>S</u>													
<u>6</u>		<u>ROW-22(32-40)-092919</u>		<u>2350</u>	<u>6</u>	<u>S</u>													
<u>7</u>		<u>ROW-31(4-10)-093019</u>	<u>9/30/19</u>	<u>0050</u>	<u>6</u>	<u>S</u>													
<u>8</u>		<u>ROW-31(10-12)-093019</u>		<u>0100</u>	<u>6</u>	<u>S</u>													
<u>9</u>		<u>ROW-32(4-10)-093019</u>		<u>0120</u>	<u>6</u>	<u>S</u>													
<u>10</u>		<u>ROW-32(10-15)-093019</u>		<u>0130</u>	<u>6</u>	<u>S</u>													

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

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

Relinquished By <u>[Signature]</u> Company: <u>WS</u> Date: <u>9/30/19</u> Time: <u>1415</u>	Received By <u>[Signature]</u> Company: <u>FA</u> Date: <u>9/30/19</u> Time: <u>1415</u>	Lab Courier <u>[Signature]</u>
Relinquished By <u>[Signature]</u> Company: <u>FA</u> Date: <u>9/30/19</u> Time: <u>1515</u>	Received By <u>[Signature]</u> Company: <u>FA</u> Date: <u>9/30/19</u> Time: <u>1515</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:  
 \_\_\_\_\_

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional) Andris Slessers  
 Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

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

## Chain of Custody Record

Lab Job # 500-170912  
 Chain of Custody Number: \_\_\_\_\_  
 Page 2 of 4  
 Temperature °C of Cooler 4.3, 5.2, 5.5, 5.9

Client		Client Project #		Preservative		Parameter										Preservative Key	
<u>Weston</u>		<u>02058.016.003</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		Project Location/State		Lab Project #		Lab PM											
<u>DDOT 90/94</u>		<u>Chicago, IL</u>				<u>C. Pence &amp; M. Deluis</u>											
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total Metals	TRP/SRP Metals	PH						
			Date	Time													
<u>11</u>		<u>ROW-32(10-15)-093019D</u>	<u>9/30/19</u>	<u>0130</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>12</u>		<u>ROW-33(0-4)-092919</u>	<u>9/29/19</u>	<u>2308</u>	<u>6</u>	<u>S</u>											
<u>13</u>		<u>ROW-33(4-10)-092919</u>		<u>2316</u>	<u>6</u>	<u>S</u>											
<u>14</u>		<u>ROW-33(10-16)-092919</u>		<u>2327</u>	<u>6</u>	<u>S</u>											
<u>15</u>		<u>ROW-33(16-22)-092919</u>		<u>2345</u>	<u>6</u>	<u>S</u>											
<u>16</u>		<u>ROW-33(22-23)-092919</u>		<u>2355</u>	<u>6</u>	<u>S</u>											
<u>17</u>		<u>ROW-36(0-4)-093019</u>	<u>9/30/19</u>	<u>0053</u>	<u>6</u>	<u>S</u>											
<u>18</u>		<u>ROW-36(4-10)-093019</u>		<u>0103</u>	<u>6</u>	<u>S</u>											
<u>19</u>		<u>ROW-36(10-15)-093019</u>		<u>0111</u>	<u>6</u>	<u>S</u>											
<u>20</u>		<u>ROW-35(0-4)-093019</u>		<u>0147</u>	<u>6</u>	<u>S</u>											

Turnaround Time Required (Business Days) \_\_\_\_\_  
 Requested Due Date \_\_\_\_\_  
 Sample Disposal:  Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>G. Gross</u> Company <u>WS</u> Date <u>9/30/19</u> Time <u>1415</u>	Received By <u>P. Neal</u> Company <u>A</u> Date <u>9/30/19</u> Time <u>1415</u>	Lab Courier <u>DA</u>
Relinquished By <u>P. Neal</u> Company <u>A</u> Date <u>9/30/19</u> Time <u>1515</u>	Received By <u>Shirley A. Hart</u> Company <u>A</u> Date <u>9/30/19</u> Time <u>1515</u>	Shipped _____
Relinquished By _____ Company _____ Date _____ Time _____	Received By _____ Company _____ Date _____ Time _____	Hand Delivered _____

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

Client Comments \_\_\_\_\_  
 Lab Comments: \_\_\_\_\_



## ANALYTICAL REPORT

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

Laboratory Job ID: 500-170913-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
10/11/2019 8:08:06 AM

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

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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

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

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

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-35(4-10)-093019**

**Lab Sample ID: 500-170913-1**

**Date Collected: 09/30/19 01:55**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 80.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Acetone	<0.017		0.017	0.0074	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Chloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
<b>Tetrachloroethene</b>	<b>0.0013</b>	<b>J</b>	0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	09/30/19 17:30	10/07/19 14:55	1
4-Bromofluorobenzene (Surr)	103		75 - 131	09/30/19 17:30	10/07/19 14:55	1
Dibromofluoromethane	94		75 - 126	09/30/19 17:30	10/07/19 14:55	1
Toluene-d8 (Surr)	95		75 - 124	09/30/19 17:30	10/07/19 14:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-35(4-10)-093019**

**Lab Sample ID: 500-170913-1**

Date Collected: 09/30/19 01:55

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.093	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
2,4-Dimethylphenol	<0.41		0.41	0.15	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
2-Chlorophenol	<0.20		0.20	0.070	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
<b>2-Methylnaphthalene</b>	<b>0.063</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
2-Nitrophenol	<0.41		0.41	0.096	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
<b>Acenaphthene</b>	<b>0.015</b>	<b>J</b>	0.041	0.0073	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
<b>Acenaphthylene</b>	<b>0.0064</b>	<b>J</b>	0.041	0.0054	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Anthracene	<0.041		0.041	0.0068	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Benzo[a]pyrene	<0.041		0.041	0.0079	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Benzo[b]fluoranthene	<0.041		0.041	0.0088	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.042	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Butyl benzyl phthalate	<0.20		0.20	0.078	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
<b>Chrysene</b>	<b>0.024</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Di-n-octyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
<b>Fluorene</b>	<b>0.0067</b>	<b>J</b>	0.041	0.0057	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Hexachlorobenzene	<0.082		0.082	0.0095	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Hexachlorocyclopentadiene	<0.82	*	0.82	0.23	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-35(4-10)-093019**

**Lab Sample ID: 500-170913-1**

Date Collected: 09/30/19 01:55

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.7

**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	<0.041		0.041	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
<b>Naphthalene</b>	<b>0.016</b>	<b>J</b>	0.041	0.0063	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
<b>Phenanthrene</b>	<b>0.12</b>		0.041	0.0057	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
Phenol	<0.20		0.20	0.091	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1
<b>Pyrene</b>	<b>0.019</b>	<b>J</b>	0.041	0.0081	mg/Kg	☼	10/07/19 08:13	10/08/19 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	59		31 - 143	10/07/19 08:13	10/08/19 19:56	1
2-Fluorobiphenyl	95		43 - 145	10/07/19 08:13	10/08/19 19:56	1
2-Fluorophenol	128		31 - 166	10/07/19 08:13	10/08/19 19:56	1
Nitrobenzene-d5	109		37 - 147	10/07/19 08:13	10/08/19 19:56	1
Phenol-d5	151		30 - 153	10/07/19 08:13	10/08/19 19:56	1
Terphenyl-d14	106		42 - 157	10/07/19 08:13	10/08/19 19:56	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 16:19	10/09/19 10:20	1
<b>Barium</b>	<b>0.61</b>		0.50	0.050	mg/L		10/07/19 16:19	10/09/19 10:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:19	10/09/19 10:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:19	10/09/19 10:20	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:20	1
<b>Cobalt</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:20	1
<b>Copper</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:20	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:19	10/09/19 10:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:19	10/09/19 10:20	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:20	1
<b>Nickel</b>	<b>0.051</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:20	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:19	10/09/19 10:20	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:20	1
<b>Zinc</b>	<b>0.027</b>	<b>J</b>	0.50	0.020	mg/L		10/07/19 16:19	10/09/19 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:16	10/08/19 16:42	1
<b>Barium</b>	<b>0.058</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:16	10/08/19 16:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:16	10/08/19 16:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:16	10/08/19 16:42	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 16:42	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 16:42	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 16:42	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:16	10/08/19 16:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:16	10/08/19 16:42	1
<b>Manganese</b>	<b>0.028</b>		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 16:42	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 16:42	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:16	10/08/19 16:42	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-35(4-10)-093019**

**Lab Sample ID: 500-170913-1**

Date Collected: 09/30/19 01:55

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.7

**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 16:16	10/08/19 16:42	1
Zinc	0.035	J B	0.50	0.020	mg/L		10/07/19 16:16	10/08/19 16:42	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.67	J	1.2	0.24	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Arsenic	8.9		0.61	0.21	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Barium	37		0.61	0.069	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Beryllium	0.74		0.24	0.057	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Cadmium	0.028	J B	0.12	0.022	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Calcium	35000	B	12	2.1	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Chromium	17		0.61	0.30	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Cobalt	15		0.30	0.079	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Copper	34		0.61	0.17	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Iron	20000		12	6.3	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Lead	16		0.30	0.14	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Magnesium	20000		6.1	3.0	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Manganese	300		0.61	0.088	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Nickel	41		0.61	0.18	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Potassium	3100		30	11	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Selenium	0.65		0.61	0.36	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Silver	2.4		0.30	0.078	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Sodium	600		61	9.0	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Thallium	1.2		0.61	0.30	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Vanadium	21		0.30	0.072	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1
Zinc	51		1.2	0.53	mg/Kg	☼	10/07/19 18:19	10/09/19 16:01	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 10:42	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.020	0.0067	mg/Kg	☼	10/03/19 14:35	10/04/19 07:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/07/19 15:29	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-35(4-10)-093019D**

**Lab Sample ID: 500-170913-2**

**Date Collected: 09/30/19 01:55**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 80.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Acetone	<0.018		0.018	0.0078	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	09/30/19 17:30	10/07/19 15:21	1
4-Bromofluorobenzene (Surr)	107		75 - 131	09/30/19 17:30	10/07/19 15:21	1
Dibromofluoromethane	96		75 - 126	09/30/19 17:30	10/07/19 15:21	1
Toluene-d8 (Surr)	96		75 - 124	09/30/19 17:30	10/07/19 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-35(4-10)-093019D**

**Lab Sample ID: 500-170913-2**

Date Collected: 09/30/19 01:55

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
2,4-Dichlorophenol	<0.40		0.40	0.097	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
<b>2-Methylnaphthalene</b>	<b>0.035</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
<b>Acenaphthene</b>	<b>0.0091</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Benzo[a]pyrene	<0.040		0.040	0.0079	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.042	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
<b>Chrysene</b>	<b>0.016</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Hexachlorocyclopentadiene	<0.82	*	0.82	0.23	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-35(4-10)-093019D**

**Lab Sample ID: 500-170913-2**

Date Collected: 09/30/19 01:55

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
<b>Naphthalene</b>	<b>0.0083</b>	<b>J</b>	0.040	0.0063	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
<b>Phenanthrene</b>	<b>0.078</b>		0.040	0.0057	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
<b>Pyrene</b>	<b>0.013</b>	<b>J</b>	0.040	0.0081	mg/Kg	☼	10/07/19 08:13	10/08/19 20:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	51		31 - 143				10/07/19 08:13	10/08/19 20:20	1
2-Fluorobiphenyl	87		43 - 145				10/07/19 08:13	10/08/19 20:20	1
2-Fluorophenol	108		31 - 166				10/07/19 08:13	10/08/19 20:20	1
Nitrobenzene-d5	97		37 - 147				10/07/19 08:13	10/08/19 20:20	1
Phenol-d5	133		30 - 153				10/07/19 08:13	10/08/19 20:20	1
Terphenyl-d14	92		42 - 157				10/07/19 08:13	10/08/19 20:20	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:19	10/09/19 10:24	1
<b>Barium</b>	<b>0.57</b>		0.50	0.050	mg/L		10/07/19 16:19	10/09/19 10:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:19	10/09/19 10:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:19	10/09/19 10:24	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:24	1
<b>Cobalt</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:24	1
<b>Copper</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:24	1
<b>Iron</b>	<b>0.26</b>	<b>J</b>	0.40	0.20	mg/L		10/07/19 16:19	10/09/19 10:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:19	10/09/19 10:24	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:24	1
<b>Nickel</b>	<b>0.049</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:24	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:19	10/09/19 10:24	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:24	1
<b>Zinc</b>	<b>0.025</b>	<b>J</b>	0.50	0.020	mg/L		10/07/19 16:19	10/09/19 10:24	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 16:16	10/08/19 16:59	1
<b>Barium</b>	<b>0.051</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:16	10/08/19 16:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:16	10/08/19 16:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:16	10/08/19 16:59	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 16:59	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 16:59	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 16:59	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:16	10/08/19 16:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:16	10/08/19 16:59	1
<b>Manganese</b>	<b>0.035</b>		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 16:59	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 16:59	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:16	10/08/19 16:59	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-35(4-10)-093019D**

**Lab Sample ID: 500-170913-2**

Date Collected: 09/30/19 01:55

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 16:59	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:16	10/08/19 16:59	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 18:19	10/09/19 16:05	1
Arsenic	11		0.57	0.20	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Barium	39		0.57	0.065	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Beryllium	0.76		0.23	0.054	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Cadmium	0.047	J B	0.11	0.021	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Calcium	32000	B	11	1.9	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Chromium	18		0.57	0.28	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Cobalt	16		0.29	0.075	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Copper	38		0.57	0.16	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Iron	21000		11	6.0	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Lead	18		0.29	0.13	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Magnesium	19000		5.7	2.8	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Manganese	280		0.57	0.083	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Nickel	41		0.57	0.17	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Potassium	3200		29	10	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Selenium	<0.57		0.57	0.34	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Silver	2.4		0.29	0.074	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Sodium	540		57	8.5	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Thallium	1.4		0.57	0.29	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Vanadium	22		0.29	0.068	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1
Zinc	60		1.1	0.50	mg/Kg	☼	10/07/19 18:19	10/09/19 16:05	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 10:43	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.020	0.0068	mg/Kg	☼	10/03/19 14:35	10/04/19 07:31	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/07/19 15:43	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-35(10-15)-093019**

**Lab Sample ID: 500-170913-3**

Date Collected: 09/30/19 01:59

Matrix: Solid

Date Received: 09/30/19 15:15

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	<0.0018		0.0018	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00075	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
1,1-Dichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
1,2-Dichloropropane	<0.0018		0.0018	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
<b>Acetone</b>	<b>0.0085</b>	<b>J</b>	0.018	0.0076	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Bromoform	<0.0018		0.0018	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Dibromochloromethane	<0.0018		0.0018	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Ethylbenzene	<0.0018		0.0018	0.00084	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
<b>Methylene Chloride</b>	<b>0.0018</b>	<b>J</b>	0.0044	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Toluene	<0.0018		0.0018	0.00044	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Trichloroethene	<0.0018		0.0018	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	09/30/19 17:30	10/07/19 15:47	1
4-Bromofluorobenzene (Surr)	122		75 - 131	09/30/19 17:30	10/07/19 15:47	1
Dibromofluoromethane	91		75 - 126	09/30/19 17:30	10/07/19 15:47	1
Toluene-d8 (Surr)	98		75 - 124	09/30/19 17:30	10/07/19 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-35(10-15)-093019**

**Lab Sample ID: 500-170913-3**

Date Collected: 09/30/19 01:59

Matrix: Solid

Date Received: 09/30/19 15:15

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	<0.40		0.40	0.092	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
<b>2-Methylnaphthalene</b>	<b>0.023</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
<b>Acenaphthylene</b>	<b>0.010</b>	<b>J</b>	0.040	0.0053	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
<b>Anthracene</b>	<b>0.015</b>	<b>J</b>	0.040	0.0067	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
<b>Benzo[a]anthracene</b>	<b>0.037</b>	<b>J</b>	0.040	0.0054	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
<b>Benzo[a]pyrene</b>	<b>0.051</b>		0.040	0.0078	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
<b>Benzo[b]fluoranthene</b>	<b>0.077</b>		0.040	0.0087	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
<b>Benzo[g,h,i]perylene</b>	<b>0.024</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
<b>Benzo[k]fluoranthene</b>	<b>0.026</b>	<b>J</b>	0.040	0.012	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
<b>Chrysene</b>	<b>0.046</b>		0.040	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
<b>Dibenz(a,h)anthracene</b>	<b>0.013</b>	<b>J</b>	0.040	0.0078	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
<b>Fluoranthene</b>	<b>0.047</b>		0.040	0.0075	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Hexachlorocyclopentadiene	<0.81	*	0.81	0.23	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-35(10-15)-093019**

**Lab Sample ID: 500-170913-3**

Date Collected: 09/30/19 01:59

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 79.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.028</b>	<b>J</b>	0.040	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
<b>Naphthalene</b>	<b>0.010</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
<b>Phenanthrene</b>	<b>0.037</b>	<b>J</b>	0.040	0.0056	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
<b>Pyrene</b>	<b>0.065</b>		0.040	0.0080	mg/Kg	☼	10/07/19 08:13	10/08/19 12:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	66		31 - 143				10/07/19 08:13	10/08/19 12:15	1
2-Fluorobiphenyl	90		43 - 145				10/07/19 08:13	10/08/19 12:15	1
2-Fluorophenol	104		31 - 166				10/07/19 08:13	10/08/19 12:15	1
Nitrobenzene-d5	97		37 - 147				10/07/19 08:13	10/08/19 12:15	1
Phenol-d5	128		30 - 153				10/07/19 08:13	10/08/19 12:15	1
Terphenyl-d14	93		42 - 157				10/07/19 08:13	10/08/19 12:15	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:19	10/09/19 10:28	1
<b>Barium</b>	<b>0.55</b>		0.50	0.050	mg/L		10/07/19 16:19	10/09/19 10:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:19	10/09/19 10:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:19	10/09/19 10:28	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:28	1
<b>Cobalt</b>	<b>0.020</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:28	1
<b>Copper</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:28	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:19	10/09/19 10:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:19	10/09/19 10:28	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:28	1
<b>Nickel</b>	<b>0.049</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:28	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:19	10/09/19 10:28	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:28	1
<b>Zinc</b>	<b>0.021</b>	<b>J</b>	0.50	0.020	mg/L		10/07/19 16:19	10/09/19 10:28	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		10/07/19 16:16	10/08/19 17:03	1
<b>Barium</b>	<b>0.056</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:16	10/08/19 17:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:16	10/08/19 17:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:16	10/08/19 17:03	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:03	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:03	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:03	1
<b>Iron</b>	<b>0.28</b>	<b>J</b>	0.40	0.20	mg/L		10/07/19 16:16	10/08/19 17:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:16	10/08/19 17:03	1
<b>Manganese</b>	<b>0.031</b>		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:03	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:03	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:16	10/08/19 17:03	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-35(10-15)-093019**

**Lab Sample ID: 500-170913-3**

Date Collected: 09/30/19 01:59

Matrix: Solid

Date Received: 09/30/19 15:15

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 16:16	10/08/19 17:03	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:16	10/08/19 17:03	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.56	J	1.2	0.23	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Arsenic	8.1		0.58	0.20	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Barium	34		0.58	0.067	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Beryllium	0.75		0.23	0.055	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Calcium	70000	B	120	20	mg/Kg	☼	10/07/19 18:19	10/10/19 10:52	10
Chromium	18		0.58	0.29	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Cobalt	14		0.29	0.076	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Copper	32		0.58	0.16	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Iron	18000		12	6.1	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Lead	16		0.29	0.13	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Magnesium	29000		5.8	2.9	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Manganese	280		0.58	0.085	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Nickel	37		0.58	0.17	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Potassium	3200		29	10	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Silver	2.4		0.29	0.075	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Sodium	430		58	8.6	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Thallium	1.2		0.58	0.29	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Vanadium	21		0.29	0.069	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1
Zinc	46		1.2	0.51	mg/Kg	☼	10/07/19 18:19	10/09/19 16:09	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 10:45	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.020	0.0068	mg/Kg	☼	10/03/19 14:35	10/04/19 07:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/07/19 15:46	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-31-093019**

**Lab Sample ID: 500-170913-4**

**Date Collected: 09/30/19 02:00**

**Matrix: Water**

**Date Received: 09/30/19 15:15**

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0010		0.0010	0.00038	mg/L			10/09/19 14:06	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00040	mg/L			10/09/19 14:06	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00035	mg/L			10/09/19 14:06	1
1,1-Dichloroethane	<0.0010		0.0010	0.00041	mg/L			10/09/19 14:06	1
1,1-Dichloroethene	<0.0010		0.0010	0.00039	mg/L			10/09/19 14:06	1
1,2-Dichloroethane	<0.0010		0.0010	0.00039	mg/L			10/09/19 14:06	1
1,2-Dichloropropane	<0.0010		0.0010	0.00043	mg/L			10/09/19 14:06	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00042	mg/L			10/09/19 14:06	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/L			10/09/19 14:06	1
Acetone	<0.010		0.010	0.0017	mg/L			10/09/19 14:06	1
Benzene	<0.00050		0.00050	0.00015	mg/L			10/09/19 14:06	1
Bromodichloromethane	<0.0010		0.0010	0.00037	mg/L			10/09/19 14:06	1
Bromoform	<0.0010		0.0010	0.00048	mg/L			10/09/19 14:06	1
Bromomethane	<0.0030		0.0030	0.00080	mg/L			10/09/19 14:06	1
Carbon disulfide	<0.0020		0.0020	0.00045	mg/L			10/09/19 14:06	1
Carbon tetrachloride	<0.0010		0.0010	0.00038	mg/L			10/09/19 14:06	1
Chlorobenzene	<0.0010		0.0010	0.00039	mg/L			10/09/19 14:06	1
Chloroethane	<0.0010		0.0010	0.00051	mg/L			10/09/19 14:06	1
Chloroform	<0.0020		0.0020	0.00037	mg/L			10/09/19 14:06	1
Chloromethane	<0.0010		0.0010	0.00032	mg/L			10/09/19 14:06	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00041	mg/L			10/09/19 14:06	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00042	mg/L			10/09/19 14:06	1
Dibromochloromethane	<0.0010		0.0010	0.00049	mg/L			10/09/19 14:06	1
<b>Ethylbenzene</b>	<b>0.00029</b>	<b>J</b>	0.00050	0.00018	mg/L			10/09/19 14:06	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0021	mg/L			10/09/19 14:06	1
methyl isobutyl ketone	<0.0050		0.0050	0.0022	mg/L			10/09/19 14:06	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00039	mg/L			10/09/19 14:06	1
Methylene Chloride	<0.0050		0.0050	0.0016	mg/L			10/09/19 14:06	1
Styrene	<0.0010		0.0010	0.00039	mg/L			10/09/19 14:06	1
Tetrachloroethene	<0.0010		0.0010	0.00037	mg/L			10/09/19 14:06	1
Toluene	<0.00050		0.00050	0.00015	mg/L			10/09/19 14:06	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00035	mg/L			10/09/19 14:06	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00036	mg/L			10/09/19 14:06	1
Trichloroethene	<0.00050		0.00050	0.00016	mg/L			10/09/19 14:06	1
Vinyl chloride	<0.0010		0.0010	0.00020	mg/L			10/09/19 14:06	1
<b>Xylenes, Total</b>	<b>0.00041</b>	<b>J</b>	0.0010	0.00022	mg/L			10/09/19 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		75 - 126		10/09/19 14:06	1
4-Bromofluorobenzene (Surr)	112		72 - 124		10/09/19 14:06	1
Dibromofluoromethane	101		75 - 120		10/09/19 14:06	1
Toluene-d8 (Surr)	95		75 - 120		10/09/19 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.0015		0.0015	0.00018	mg/L		10/01/19 07:28	10/02/19 21:51	1
1,2-Dichlorobenzene	<0.0015		0.0015	0.00019	mg/L		10/01/19 07:28	10/02/19 21:51	1
1,3-Dichlorobenzene	<0.0015		0.0015	0.00016	mg/L		10/01/19 07:28	10/02/19 21:51	1
1,4-Dichlorobenzene	<0.0015		0.0015	0.00016	mg/L		10/01/19 07:28	10/02/19 21:51	1
2,2'-oxybis[1-chloropropane]	<0.0015		0.0015	0.00029	mg/L		10/01/19 07:28	10/02/19 21:51	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-31-093019**

**Lab Sample ID: 500-170913-4**

**Date Collected: 09/30/19 02:00**

**Matrix: Water**

**Date Received: 09/30/19 15:15**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.0076		0.0076	0.0019	mg/L		10/01/19 07:28	10/02/19 21:51	1
2,4,6-Trichlorophenol	<0.0038		0.0038	0.00054	mg/L		10/01/19 07:28	10/02/19 21:51	1
2,4-Dichlorophenol	<0.0076		0.0076	0.0020	mg/L		10/01/19 07:28	10/02/19 21:51	1
2,4-Dimethylphenol	<0.0076		0.0076	0.0014	mg/L		10/01/19 07:28	10/02/19 21:51	1
2,4-Dinitrophenol	<0.015		0.015	0.0065	mg/L		10/01/19 07:28	10/02/19 21:51	1
2,4-Dinitrotoluene	<0.00076		0.00076	0.00019	mg/L		10/01/19 07:28	10/02/19 21:51	1
2,6-Dinitrotoluene	<0.00076		0.00076	0.000056	mg/L		10/01/19 07:28	10/02/19 21:51	1
2-Chloronaphthalene	<0.0015		0.0015	0.00018	mg/L		10/01/19 07:28	10/02/19 21:51	1
2-Chlorophenol	<0.0038		0.0038	0.00042	mg/L		10/01/19 07:28	10/02/19 21:51	1
2-Methylnaphthalene	<0.0015		0.0015	0.000050	mg/L		10/01/19 07:28	10/02/19 21:51	1
2-Methylphenol	<0.0015		0.0015	0.00023	mg/L		10/01/19 07:28	10/02/19 21:51	1
2-Nitroaniline	<0.0038		0.0038	0.00098	mg/L		10/01/19 07:28	10/02/19 21:51	1
2-Nitrophenol	<0.0076		0.0076	0.0019	mg/L		10/01/19 07:28	10/02/19 21:51	1
3 & 4 Methylphenol	<0.0015		0.0015	0.00034	mg/L		10/01/19 07:28	10/02/19 21:51	1
3,3'-Dichlorobenzidine	<0.0038		0.0038	0.0013	mg/L		10/01/19 07:28	10/02/19 21:51	1
3-Nitroaniline	<0.0076		0.0076	0.0014	mg/L		10/01/19 07:28	10/02/19 21:51	1
4,6-Dinitro-2-methylphenol	<0.015		0.015	0.0045	mg/L		10/01/19 07:28	10/02/19 21:51	1
4-Bromophenyl phenyl ether	<0.0038		0.0038	0.00041	mg/L		10/01/19 07:28	10/02/19 21:51	1
4-Chloro-3-methylphenol	<0.0076		0.0076	0.0017	mg/L		10/01/19 07:28	10/02/19 21:51	1
4-Chloroaniline	<0.0076		0.0076	0.0015	mg/L		10/01/19 07:28	10/02/19 21:51	1
4-Chlorophenyl phenyl ether	<0.0038		0.0038	0.00048	mg/L		10/01/19 07:28	10/02/19 21:51	1
4-Nitroaniline	<0.0076		0.0076	0.0013	mg/L		10/01/19 07:28	10/02/19 21:51	1
4-Nitrophenol	<0.015		0.015	0.0056	mg/L		10/01/19 07:28	10/02/19 21:51	1
Acenaphthene	<0.00076		0.00076	0.00023	mg/L		10/01/19 07:28	10/02/19 21:51	1
Acenaphthylene	<0.00076		0.00076	0.00020	mg/L		10/01/19 07:28	10/02/19 21:51	1
Anthracene	<0.00076		0.00076	0.00025	mg/L		10/01/19 07:28	10/02/19 21:51	1
Benzo[a]anthracene	<0.00012		0.00012	0.000043	mg/L		10/01/19 07:28	10/02/19 21:51	1
Benzo[a]pyrene	<0.00015		0.00015	0.000075	mg/L		10/01/19 07:28	10/02/19 21:51	1
Benzo[b]fluoranthene	<0.00015		0.00015	0.000061	mg/L		10/01/19 07:28	10/02/19 21:51	1
Benzo[g,h,i]perylene	<0.00076		0.00076	0.00029	mg/L		10/01/19 07:28	10/02/19 21:51	1
Benzo[k]fluoranthene	<0.00015		0.00015	0.000049	mg/L		10/01/19 07:28	10/02/19 21:51	1
Bis(2-chloroethoxy)methane	<0.0015		0.0015	0.00022	mg/L		10/01/19 07:28	10/02/19 21:51	1
Bis(2-chloroethyl)ether	<0.0015		0.0015	0.00022	mg/L		10/01/19 07:28	10/02/19 21:51	1
Bis(2-ethylhexyl) phthalate	<0.0076		0.0076	0.0013	mg/L		10/01/19 07:28	10/02/19 21:51	1
Butyl benzyl phthalate	<0.0015		0.0015	0.00036	mg/L		10/01/19 07:28	10/02/19 21:51	1
Carbazole	<0.0038		0.0038	0.00027	mg/L		10/01/19 07:28	10/02/19 21:51	1
Chrysene	<0.00015		0.00015	0.000052	mg/L		10/01/19 07:28	10/02/19 21:51	1
Dibenz(a,h)anthracene	<0.00023		0.00023	0.000039	mg/L		10/01/19 07:28	10/02/19 21:51	1
Dibenzofuran	<0.0015		0.0015	0.00020	mg/L		10/01/19 07:28	10/02/19 21:51	1
Diethyl phthalate	<0.0038		0.0038	0.00027	mg/L		10/01/19 07:28	10/02/19 21:51	1
Dimethyl phthalate	<0.0038		0.0038	0.00024	mg/L		10/01/19 07:28	10/02/19 21:51	1
Di-n-butyl phthalate	<0.0038		0.0038	0.00055	mg/L		10/01/19 07:28	10/02/19 21:51	1
Di-n-octyl phthalate	<0.0076		0.0076	0.00080	mg/L		10/01/19 07:28	10/02/19 21:51	1
Fluoranthene	<0.00076		0.00076	0.00034	mg/L		10/01/19 07:28	10/02/19 21:51	1
Fluorene	<0.00076		0.00076	0.00019	mg/L		10/01/19 07:28	10/02/19 21:51	1
Hexachlorobenzene	<0.00038		0.00038	0.000060	mg/L		10/01/19 07:28	10/02/19 21:51	1
Hexachlorobutadiene	<0.0038		0.0038	0.00039	mg/L		10/01/19 07:28	10/02/19 21:51	1
Hexachlorocyclopentadiene	<0.015		0.015	0.0048	mg/L		10/01/19 07:28	10/02/19 21:51	1
Hexachloroethane	<0.0038		0.0038	0.00046	mg/L		10/01/19 07:28	10/02/19 21:51	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-31-093019**

**Lab Sample ID: 500-170913-4**

**Date Collected: 09/30/19 02:00**

**Matrix: Water**

**Date Received: 09/30/19 15:15**

**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	<0.00015		0.00015	0.000057	mg/L		10/01/19 07:28	10/02/19 21:51	1
Isophorone	<0.0015		0.0015	0.00029	mg/L		10/01/19 07:28	10/02/19 21:51	1
Naphthalene	<0.00076		0.00076	0.00023	mg/L		10/01/19 07:28	10/02/19 21:51	1
Nitrobenzene	<0.00076		0.00076	0.00034	mg/L		10/01/19 07:28	10/02/19 21:51	1
N-Nitrosodi-n-propylamine	<0.00038		0.00038	0.00012	mg/L		10/01/19 07:28	10/02/19 21:51	1
N-Nitrosodiphenylamine	<0.0015		0.0015	0.00028	mg/L		10/01/19 07:28	10/02/19 21:51	1
Pentachlorophenol	<0.015		0.015	0.0030	mg/L		10/01/19 07:28	10/02/19 21:51	1
Phenanthrene	<0.00076		0.00076	0.00023	mg/L		10/01/19 07:28	10/02/19 21:51	1
Phenol	<0.0038		0.0038	0.00051	mg/L		10/01/19 07:28	10/02/19 21:51	1
Pyrene	<0.00076		0.00076	0.00032	mg/L		10/01/19 07:28	10/02/19 21:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	58		40 - 145	10/01/19 07:28	10/02/19 21:51	1
2-Fluorobiphenyl	53		34 - 110	10/01/19 07:28	10/02/19 21:51	1
2-Fluorophenol	44		27 - 110	10/01/19 07:28	10/02/19 21:51	1
Nitrobenzene-d5	59		36 - 120	10/01/19 07:28	10/02/19 21:51	1
Phenol-d5	45		20 - 110	10/01/19 07:28	10/02/19 21:51	1
Terphenyl-d14	65		40 - 145	10/01/19 07:28	10/02/19 21:51	1

**Method: 6020A - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.0031</b>		0.0030	0.0013	mg/L		10/04/19 09:00	10/04/19 21:28	1
<b>Arsenic</b>	<b>0.0082</b>		0.0010	0.00023	mg/L		10/04/19 09:00	10/04/19 21:28	1
<b>Barium</b>	<b>0.049</b>		0.0025	0.00073	mg/L		10/04/19 09:00	10/04/19 21:28	1
<b>Beryllium</b>	<b>0.00060</b>	<b>J</b>	0.0010	0.00053	mg/L		10/04/19 09:00	10/04/19 21:28	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		10/04/19 09:00	10/04/19 21:28	1
<b>Calcium</b>	<b>22</b>		0.20	0.044	mg/L		10/04/19 09:00	10/04/19 21:28	1
<b>Chromium</b>	<b>0.020</b>		0.0050	0.0011	mg/L		10/04/19 09:00	10/04/19 21:28	1
<b>Cobalt</b>	<b>0.0077</b>		0.0010	0.00040	mg/L		10/04/19 09:00	10/04/19 21:28	1
<b>Copper</b>	<b>0.025</b>		0.0020	0.00050	mg/L		10/04/19 09:00	10/04/19 21:28	1
<b>Iron</b>	<b>7.6</b>		0.10	0.047	mg/L		10/04/19 09:00	10/04/19 21:28	1
<b>Lead</b>	<b>0.015</b>		0.00050	0.00019	mg/L		10/04/19 09:00	10/04/19 21:28	1
<b>Magnesium</b>	<b>12</b>		0.20	0.049	mg/L		10/04/19 09:00	10/04/19 21:28	1
<b>Manganese</b>	<b>0.078</b>		0.0025	0.00079	mg/L		10/04/19 09:00	10/04/19 21:28	1
<b>Nickel</b>	<b>0.023</b>		0.0020	0.00063	mg/L		10/04/19 09:00	10/04/19 21:28	1
<b>Potassium</b>	<b>8.8</b>		0.50	0.11	mg/L		10/04/19 09:00	10/04/19 21:28	1
Selenium	<0.0025		0.0025	0.00098	mg/L		10/04/19 09:00	10/04/19 21:28	1
Silver	<0.00050		0.00050	0.00012	mg/L		10/04/19 09:00	10/04/19 21:28	1
<b>Sodium</b>	<b>520</b>		2.0	0.77	mg/L		10/04/19 09:00	10/07/19 11:56	10
Thallium	<0.0020		0.0020	0.00057	mg/L		10/04/19 09:00	10/04/19 21:28	1
<b>Vanadium</b>	<b>0.026</b>	<b>B</b>	0.0050	0.0022	mg/L		10/04/19 09:00	10/04/19 21:28	1
<b>Zinc</b>	<b>0.098</b>	<b>B</b>	0.020	0.0069	mg/L		10/04/19 09:00	10/04/19 21:28	1

**Method: 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000098	mg/L		10/02/19 10:10	10/03/19 08:00	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-31-093019D**

**Lab Sample ID: 500-170913-5**

Date Collected: 09/30/19 02:00

Matrix: Water

Date Received: 09/30/19 15:15

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0010		0.0010	0.00038	mg/L			10/09/19 14:56	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00040	mg/L			10/09/19 14:56	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00035	mg/L			10/09/19 14:56	1
1,1-Dichloroethane	<0.0010		0.0010	0.00041	mg/L			10/09/19 14:56	1
1,1-Dichloroethene	<0.0010		0.0010	0.00039	mg/L			10/09/19 14:56	1
1,2-Dichloroethane	<0.0010		0.0010	0.00039	mg/L			10/09/19 14:56	1
1,2-Dichloropropane	<0.0010		0.0010	0.00043	mg/L			10/09/19 14:56	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00042	mg/L			10/09/19 14:56	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/L			10/09/19 14:56	1
Acetone	<0.010		0.010	0.0017	mg/L			10/09/19 14:56	1
Benzene	<0.00050		0.00050	0.00015	mg/L			10/09/19 14:56	1
Bromodichloromethane	<0.0010		0.0010	0.00037	mg/L			10/09/19 14:56	1
Bromoform	<0.0010		0.0010	0.00048	mg/L			10/09/19 14:56	1
Bromomethane	<0.0030		0.0030	0.00080	mg/L			10/09/19 14:56	1
Carbon disulfide	<0.0020		0.0020	0.00045	mg/L			10/09/19 14:56	1
Carbon tetrachloride	<0.0010		0.0010	0.00038	mg/L			10/09/19 14:56	1
Chlorobenzene	<0.0010		0.0010	0.00039	mg/L			10/09/19 14:56	1
Chloroethane	<0.0010		0.0010	0.00051	mg/L			10/09/19 14:56	1
Chloroform	<0.0020		0.0020	0.00037	mg/L			10/09/19 14:56	1
Chloromethane	<0.0010		0.0010	0.00032	mg/L			10/09/19 14:56	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00041	mg/L			10/09/19 14:56	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00042	mg/L			10/09/19 14:56	1
Dibromochloromethane	<0.0010		0.0010	0.00049	mg/L			10/09/19 14:56	1
<b>Ethylbenzene</b>	<b>0.00025</b>	<b>J</b>	0.00050	0.00018	mg/L			10/09/19 14:56	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0021	mg/L			10/09/19 14:56	1
methyl isobutyl ketone	<0.0050		0.0050	0.0022	mg/L			10/09/19 14:56	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00039	mg/L			10/09/19 14:56	1
Methylene Chloride	<0.0050		0.0050	0.0016	mg/L			10/09/19 14:56	1
Styrene	<0.0010		0.0010	0.00039	mg/L			10/09/19 14:56	1
Tetrachloroethene	<0.0010		0.0010	0.00037	mg/L			10/09/19 14:56	1
Toluene	<0.00050		0.00050	0.00015	mg/L			10/09/19 14:56	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00035	mg/L			10/09/19 14:56	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00036	mg/L			10/09/19 14:56	1
Trichloroethene	<0.00050		0.00050	0.00016	mg/L			10/09/19 14:56	1
Vinyl chloride	<0.0010		0.0010	0.00020	mg/L			10/09/19 14:56	1
<b>Xylenes, Total</b>	<b>0.00058</b>	<b>J</b>	0.0010	0.00022	mg/L			10/09/19 14:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 126		10/09/19 14:56	1
4-Bromofluorobenzene (Surr)	113		72 - 124		10/09/19 14:56	1
Dibromofluoromethane	97		75 - 120		10/09/19 14:56	1
Toluene-d8 (Surr)	100		75 - 120		10/09/19 14:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.0015		0.0015	0.00018	mg/L		10/01/19 07:28	10/02/19 22:16	1
1,2-Dichlorobenzene	<0.0015		0.0015	0.00019	mg/L		10/01/19 07:28	10/02/19 22:16	1
1,3-Dichlorobenzene	<0.0015		0.0015	0.00016	mg/L		10/01/19 07:28	10/02/19 22:16	1
1,4-Dichlorobenzene	<0.0015		0.0015	0.00016	mg/L		10/01/19 07:28	10/02/19 22:16	1
2,2'-oxybis[1-chloropropane]	<0.0015		0.0015	0.00029	mg/L		10/01/19 07:28	10/02/19 22:16	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-31-093019D**

**Lab Sample ID: 500-170913-5**

**Date Collected: 09/30/19 02:00**

**Matrix: Water**

**Date Received: 09/30/19 15:15**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.0076		0.0076	0.0020	mg/L		10/01/19 07:28	10/02/19 22:16	1
2,4,6-Trichlorophenol	<0.0038		0.0038	0.00055	mg/L		10/01/19 07:28	10/02/19 22:16	1
2,4-Dichlorophenol	<0.0076		0.0076	0.0020	mg/L		10/01/19 07:28	10/02/19 22:16	1
2,4-Dimethylphenol	<0.0076		0.0076	0.0014	mg/L		10/01/19 07:28	10/02/19 22:16	1
2,4-Dinitrophenol	<0.015		0.015	0.0065	mg/L		10/01/19 07:28	10/02/19 22:16	1
2,4-Dinitrotoluene	<0.00076		0.00076	0.00019	mg/L		10/01/19 07:28	10/02/19 22:16	1
2,6-Dinitrotoluene	<0.00076		0.00076	0.000056	mg/L		10/01/19 07:28	10/02/19 22:16	1
2-Chloronaphthalene	<0.0015		0.0015	0.00018	mg/L		10/01/19 07:28	10/02/19 22:16	1
2-Chlorophenol	<0.0038		0.0038	0.00043	mg/L		10/01/19 07:28	10/02/19 22:16	1
2-Methylnaphthalene	<0.0015		0.0015	0.000050	mg/L		10/01/19 07:28	10/02/19 22:16	1
2-Methylphenol	<0.0015		0.0015	0.00023	mg/L		10/01/19 07:28	10/02/19 22:16	1
2-Nitroaniline	<0.0038		0.0038	0.00098	mg/L		10/01/19 07:28	10/02/19 22:16	1
2-Nitrophenol	<0.0076		0.0076	0.0019	mg/L		10/01/19 07:28	10/02/19 22:16	1
3 & 4 Methylphenol	<0.0015		0.0015	0.00034	mg/L		10/01/19 07:28	10/02/19 22:16	1
3,3'-Dichlorobenzidine	<0.0038		0.0038	0.0013	mg/L		10/01/19 07:28	10/02/19 22:16	1
3-Nitroaniline	<0.0076		0.0076	0.0014	mg/L		10/01/19 07:28	10/02/19 22:16	1
4,6-Dinitro-2-methylphenol	<0.015		0.015	0.0045	mg/L		10/01/19 07:28	10/02/19 22:16	1
4-Bromophenyl phenyl ether	<0.0038		0.0038	0.00041	mg/L		10/01/19 07:28	10/02/19 22:16	1
4-Chloro-3-methylphenol	<0.0076		0.0076	0.0018	mg/L		10/01/19 07:28	10/02/19 22:16	1
4-Chloroaniline	<0.0076		0.0076	0.0015	mg/L		10/01/19 07:28	10/02/19 22:16	1
4-Chlorophenyl phenyl ether	<0.0038		0.0038	0.00048	mg/L		10/01/19 07:28	10/02/19 22:16	1
4-Nitroaniline	<0.0076		0.0076	0.0013	mg/L		10/01/19 07:28	10/02/19 22:16	1
4-Nitrophenol	<0.015		0.015	0.0057	mg/L		10/01/19 07:28	10/02/19 22:16	1
Acenaphthene	<0.00076		0.00076	0.00024	mg/L		10/01/19 07:28	10/02/19 22:16	1
Acenaphthylene	<0.00076		0.00076	0.00020	mg/L		10/01/19 07:28	10/02/19 22:16	1
Anthracene	<0.00076		0.00076	0.00025	mg/L		10/01/19 07:28	10/02/19 22:16	1
Benzo[a]anthracene	<0.00012		0.00012	0.000043	mg/L		10/01/19 07:28	10/02/19 22:16	1
Benzo[a]pyrene	<0.00015		0.00015	0.000075	mg/L		10/01/19 07:28	10/02/19 22:16	1
Benzo[b]fluoranthene	<0.00015		0.00015	0.000061	mg/L		10/01/19 07:28	10/02/19 22:16	1
Benzo[g,h,i]perylene	<0.00076		0.00076	0.00029	mg/L		10/01/19 07:28	10/02/19 22:16	1
Benzo[k]fluoranthene	<0.00015		0.00015	0.000049	mg/L		10/01/19 07:28	10/02/19 22:16	1
Bis(2-chloroethoxy)methane	<0.0015		0.0015	0.00022	mg/L		10/01/19 07:28	10/02/19 22:16	1
<b>Bis(2-chloroethyl)ether</b>	<b>0.00036</b>	<b>J</b>	0.0015	0.00022	mg/L		10/01/19 07:28	10/02/19 22:16	1
Bis(2-ethylhexyl) phthalate	<0.0076		0.0076	0.0013	mg/L		10/01/19 07:28	10/02/19 22:16	1
Butyl benzyl phthalate	<0.0015		0.0015	0.00037	mg/L		10/01/19 07:28	10/02/19 22:16	1
Carbazole	<0.0038		0.0038	0.00027	mg/L		10/01/19 07:28	10/02/19 22:16	1
Chrysene	<0.00015		0.00015	0.000052	mg/L		10/01/19 07:28	10/02/19 22:16	1
Dibenz(a,h)anthracene	<0.00023		0.00023	0.000039	mg/L		10/01/19 07:28	10/02/19 22:16	1
Dibenzofuran	<0.0015		0.0015	0.00020	mg/L		10/01/19 07:28	10/02/19 22:16	1
Diethyl phthalate	<0.0038		0.0038	0.00028	mg/L		10/01/19 07:28	10/02/19 22:16	1
Dimethyl phthalate	<0.0038		0.0038	0.00024	mg/L		10/01/19 07:28	10/02/19 22:16	1
Di-n-butyl phthalate	<0.0038		0.0038	0.00056	mg/L		10/01/19 07:28	10/02/19 22:16	1
Di-n-octyl phthalate	<0.0076		0.0076	0.00080	mg/L		10/01/19 07:28	10/02/19 22:16	1
Fluoranthene	<0.00076		0.00076	0.00035	mg/L		10/01/19 07:28	10/02/19 22:16	1
Fluorene	<0.00076		0.00076	0.00019	mg/L		10/01/19 07:28	10/02/19 22:16	1
Hexachlorobenzene	<0.00038		0.00038	0.000060	mg/L		10/01/19 07:28	10/02/19 22:16	1
Hexachlorobutadiene	<0.0038		0.0038	0.00039	mg/L		10/01/19 07:28	10/02/19 22:16	1
Hexachlorocyclopentadiene	<0.015		0.015	0.0049	mg/L		10/01/19 07:28	10/02/19 22:16	1
Hexachloroethane	<0.0038		0.0038	0.00046	mg/L		10/01/19 07:28	10/02/19 22:16	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-31-093019D**

**Lab Sample ID: 500-170913-5**

**Date Collected: 09/30/19 02:00**

**Matrix: Water**

**Date Received: 09/30/19 15:15**

**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	<0.00015		0.00015	0.000057	mg/L		10/01/19 07:28	10/02/19 22:16	1
Isophorone	<0.0015		0.0015	0.00029	mg/L		10/01/19 07:28	10/02/19 22:16	1
Naphthalene	<0.00076		0.00076	0.00024	mg/L		10/01/19 07:28	10/02/19 22:16	1
Nitrobenzene	<0.00076		0.00076	0.00034	mg/L		10/01/19 07:28	10/02/19 22:16	1
N-Nitrosodi-n-propylamine	<0.00038		0.00038	0.00012	mg/L		10/01/19 07:28	10/02/19 22:16	1
N-Nitrosodiphenylamine	<0.0015		0.0015	0.00028	mg/L		10/01/19 07:28	10/02/19 22:16	1
Pentachlorophenol	<0.015		0.015	0.0030	mg/L		10/01/19 07:28	10/02/19 22:16	1
Phenanthrene	<0.00076		0.00076	0.00023	mg/L		10/01/19 07:28	10/02/19 22:16	1
<b>Phenol</b>	<b>0.0018</b>	<b>J</b>	0.0038	0.00051	mg/L		10/01/19 07:28	10/02/19 22:16	1
Pyrene	<0.00076		0.00076	0.00032	mg/L		10/01/19 07:28	10/02/19 22:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	47		40 - 145	10/01/19 07:28	10/02/19 22:16	1
2-Fluorobiphenyl	41		34 - 110	10/01/19 07:28	10/02/19 22:16	1
2-Fluorophenol	37		27 - 110	10/01/19 07:28	10/02/19 22:16	1
Nitrobenzene-d5	44		36 - 120	10/01/19 07:28	10/02/19 22:16	1
Phenol-d5	34		20 - 110	10/01/19 07:28	10/02/19 22:16	1
Terphenyl-d14	54		40 - 145	10/01/19 07:28	10/02/19 22:16	1

**Method: 6020A - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.0031</b>		0.0030	0.0013	mg/L		10/04/19 09:00	10/04/19 21:32	1
<b>Arsenic</b>	<b>0.0079</b>		0.0010	0.00023	mg/L		10/04/19 09:00	10/04/19 21:32	1
<b>Barium</b>	<b>0.048</b>		0.0025	0.00073	mg/L		10/04/19 09:00	10/04/19 21:32	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		10/04/19 09:00	10/04/19 21:32	1
Cadmium	<0.00050		0.00050	0.00017	mg/L		10/04/19 09:00	10/04/19 21:32	1
<b>Calcium</b>	<b>21</b>		0.20	0.044	mg/L		10/04/19 09:00	10/04/19 21:32	1
<b>Chromium</b>	<b>0.019</b>		0.0050	0.0011	mg/L		10/04/19 09:00	10/04/19 21:32	1
<b>Cobalt</b>	<b>0.0073</b>		0.0010	0.00040	mg/L		10/04/19 09:00	10/04/19 21:32	1
<b>Copper</b>	<b>0.024</b>		0.0020	0.00050	mg/L		10/04/19 09:00	10/04/19 21:32	1
<b>Iron</b>	<b>7.4</b>		0.10	0.047	mg/L		10/04/19 09:00	10/04/19 21:32	1
<b>Lead</b>	<b>0.014</b>		0.00050	0.00019	mg/L		10/04/19 09:00	10/04/19 21:32	1
<b>Magnesium</b>	<b>11</b>		0.20	0.049	mg/L		10/04/19 09:00	10/04/19 21:32	1
<b>Manganese</b>	<b>0.073</b>		0.0025	0.00079	mg/L		10/04/19 09:00	10/04/19 21:32	1
<b>Nickel</b>	<b>0.022</b>		0.0020	0.00063	mg/L		10/04/19 09:00	10/04/19 21:32	1
<b>Potassium</b>	<b>8.9</b>		0.50	0.11	mg/L		10/04/19 09:00	10/04/19 21:32	1
Selenium	<0.0025		0.0025	0.00098	mg/L		10/04/19 09:00	10/04/19 21:32	1
Silver	<0.00050		0.00050	0.00012	mg/L		10/04/19 09:00	10/04/19 21:32	1
<b>Sodium</b>	<b>510</b>		2.0	0.77	mg/L		10/04/19 09:00	10/07/19 12:00	10
Thallium	<0.0020		0.0020	0.00057	mg/L		10/04/19 09:00	10/04/19 21:32	1
<b>Vanadium</b>	<b>0.026</b>	<b>B</b>	0.0050	0.0022	mg/L		10/04/19 09:00	10/04/19 21:32	1
<b>Zinc</b>	<b>0.093</b>	<b>B</b>	0.020	0.0069	mg/L		10/04/19 09:00	10/04/19 21:32	1

**Method: 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.00011</b>	<b>J</b>	0.00020	0.000098	mg/L		10/02/19 10:10	10/03/19 08:02	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(0-4)-093019**

**Lab Sample ID: 500-170913-6**

**Date Collected: 09/30/19 02:45**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 81.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	09/30/19 17:30	10/07/19 16:13	1
4-Bromofluorobenzene (Surr)	115		75 - 131	09/30/19 17:30	10/07/19 16:13	1
Dibromofluoromethane	92		75 - 126	09/30/19 17:30	10/07/19 16:13	1
Toluene-d8 (Surr)	97		75 - 124	09/30/19 17:30	10/07/19 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(0-4)-093019**

**Lab Sample ID: 500-170913-6**

Date Collected: 09/30/19 02:45

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
<b>2-Methylnaphthalene</b>	<b>0.017</b>	<b>J</b>	0.082	0.0074	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
<b>Acenaphthene</b>	<b>0.012</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
<b>Chrysene</b>	<b>0.031</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
<b>Fluorene</b>	<b>0.0064</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Hexachlorocyclopentadiene	<0.82	*	0.82	0.23	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(0-4)-093019**

**Lab Sample ID: 500-170913-6**

Date Collected: 09/30/19 02:45

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.6

**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	<0.040		0.040	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
<b>Naphthalene</b>	<b>0.0065</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.049	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
<b>N-Nitrosodiphenylamine</b>	<b>0.060</b>	<b>J</b>	0.20	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
<b>Phenanthrene</b>	<b>0.12</b>		0.040	0.0056	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
<b>Pyrene</b>	<b>0.024</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/07/19 08:13	10/08/19 20:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	56		31 - 143				10/07/19 08:13	10/08/19 20:44	1
2-Fluorobiphenyl	102		43 - 145				10/07/19 08:13	10/08/19 20:44	1
2-Fluorophenol	133		31 - 166				10/07/19 08:13	10/08/19 20:44	1
Nitrobenzene-d5	116		37 - 147				10/07/19 08:13	10/08/19 20:44	1
Phenol-d5	143		30 - 153				10/07/19 08:13	10/08/19 20:44	1
Terphenyl-d14	106		42 - 157				10/07/19 08:13	10/08/19 20:44	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:19	10/09/19 10:33	1
<b>Barium</b>	<b>0.58</b>		0.50	0.050	mg/L		10/07/19 16:19	10/09/19 10:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:19	10/09/19 10:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:19	10/09/19 10:33	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:33	1
<b>Cobalt</b>	<b>0.043</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:33	1
<b>Copper</b>	<b>0.13</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:33	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:19	10/09/19 10:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:19	10/09/19 10:33	1
<b>Manganese</b>	<b>2.4</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:33	1
<b>Nickel</b>	<b>0.067</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:33	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:19	10/09/19 10:33	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:33	1
<b>Zinc</b>	<b>0.051</b>	<b>J</b>	0.50	0.020	mg/L		10/07/19 16:19	10/09/19 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.049</b>	<b>J</b>	0.050	0.010	mg/L		10/07/19 16:16	10/08/19 17:07	1
<b>Barium</b>	<b>0.37</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:16	10/08/19 17:07	1
<b>Beryllium</b>	<b>0.0068</b>		0.0040	0.0040	mg/L		10/07/19 16:16	10/08/19 17:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:16	10/08/19 17:07	1
<b>Chromium</b>	<b>0.14</b>		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:07	1
<b>Cobalt</b>	<b>0.084</b>		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:07	1
<b>Copper</b>	<b>0.26</b>		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:07	1
<b>Iron</b>	<b>120</b>		0.40	0.20	mg/L		10/07/19 16:16	10/08/19 17:07	1
<b>Lead</b>	<b>0.12</b>		0.0075	0.0075	mg/L		10/07/19 16:16	10/08/19 17:07	1
<b>Manganese</b>	<b>0.93</b>		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:07	1
<b>Nickel</b>	<b>0.20</b>		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:07	1
<b>Selenium</b>	<b>0.023</b>	<b>J</b>	0.050	0.020	mg/L		10/07/19 16:16	10/08/19 17:07	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(0-4)-093019**

**Lab Sample ID: 500-170913-6**

Date Collected: 09/30/19 02:45

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:07	1
<b>Zinc</b>	<b>0.25</b>	<b>J B</b>	0.50	0.020	mg/L		10/07/19 16:16	10/08/19 17:07	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.61</b>	<b>J</b>	1.2	0.23	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Arsenic</b>	<b>8.0</b>		0.59	0.20	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Barium</b>	<b>36</b>		0.59	0.067	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Beryllium</b>	<b>0.75</b>		0.24	0.055	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Cadmium</b>	<b>0.026</b>	<b>J B</b>	0.12	0.021	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Calcium</b>	<b>34000</b>	<b>B</b>	12	2.0	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Chromium</b>	<b>18</b>		0.59	0.29	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Cobalt</b>	<b>17</b>		0.29	0.077	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Copper</b>	<b>38</b>		0.59	0.16	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Iron</b>	<b>19000</b>		12	6.1	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Lead</b>	<b>17</b>		0.29	0.14	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Magnesium</b>	<b>21000</b>		5.9	2.9	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Manganese</b>	<b>290</b>		0.59	0.085	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Nickel</b>	<b>42</b>		0.59	0.17	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Potassium</b>	<b>3100</b>		29	10	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Selenium</b>	<b>0.47</b>	<b>J</b>	0.59	0.35	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Silver</b>	<b>2.5</b>		0.29	0.076	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Sodium</b>	<b>1900</b>		59	8.7	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Thallium</b>	<b>1.4</b>		0.59	0.29	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Vanadium</b>	<b>21</b>		0.29	0.069	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1
<b>Zinc</b>	<b>52</b>		1.2	0.52	mg/Kg	☼	10/07/19 18:19	10/09/19 16:13	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 09:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00050		0.00050	0.00050	mg/L		10/04/19 10:00	10/07/19 10:46	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.025</b>		0.018	0.0059	mg/Kg	☼	10/03/19 14:35	10/04/19 07:40	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.6</b>		0.2	0.2	SU			10/07/19 17:27	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(4-10)-093019**

**Lab Sample ID: 500-170913-7**

**Date Collected: 09/30/19 02:50**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 81.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00071	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
1,1-Dichloroethene	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
1,2-Dichloropropane	<0.0016		0.0016	0.00043	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Acetone	<0.016		0.016	0.0072	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Bromodichloromethane	<0.0016		0.0016	0.00034	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Bromomethane	<0.0041		0.0041	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Carbon disulfide	<0.0041		0.0041	0.00086	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Carbon tetrachloride	<0.0016		0.0016	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Chlorobenzene	<0.0016		0.0016	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Chloroform	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Chloromethane	<0.0041		0.0041	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00046	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Dibromochloromethane	<0.0016		0.0016	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Ethylbenzene	<0.0016		0.0016	0.00079	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Styrene	<0.0016		0.0016	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Tetrachloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Toluene	<0.0016		0.0016	0.00042	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00073	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Trichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Vinyl chloride	<0.0016		0.0016	0.00073	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 16:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	09/30/19 17:30	10/07/19 16:38	1
4-Bromofluorobenzene (Surr)	108		75 - 131	09/30/19 17:30	10/07/19 16:38	1
Dibromofluoromethane	94		75 - 126	09/30/19 17:30	10/07/19 16:38	1
Toluene-d8 (Surr)	94		75 - 124	09/30/19 17:30	10/07/19 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(4-10)-093019**

**Lab Sample ID: 500-170913-7**

Date Collected: 09/30/19 02:50

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
<b>2-Methylnaphthalene</b>	<b>0.076</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
<b>4-Chlorophenyl phenyl ether</b>	<b>0.22</b>		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
<b>Acenaphthene</b>	<b>0.025</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
<b>Benzo[g,h,i]perylene</b>	<b>0.019</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
<b>Chrysene</b>	<b>0.045</b>		0.040	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
<b>Fluorene</b>	<b>0.012</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Hexachlorocyclopentadiene	<0.81	*	0.81	0.23	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(4-10)-093019**

**Lab Sample ID: 500-170913-7**

Date Collected: 09/30/19 02:50

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
<b>Naphthalene</b>	<b>0.020</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
<b>N-Nitrosodiphenylamine</b>	<b>0.097</b>	<b>J</b>	0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
<b>Phenanthrene</b>	<b>0.19</b>		0.040	0.0056	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
<b>Pyrene</b>	<b>0.034</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/07/19 08:13	10/08/19 21:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		31 - 143				10/07/19 08:13	10/08/19 21:09	1
2-Fluorobiphenyl	100		43 - 145				10/07/19 08:13	10/08/19 21:09	1
2-Fluorophenol	138		31 - 166				10/07/19 08:13	10/08/19 21:09	1
Nitrobenzene-d5	99		37 - 147				10/07/19 08:13	10/08/19 21:09	1
Phenol-d5	148		30 - 153				10/07/19 08:13	10/08/19 21:09	1
Terphenyl-d14	104		42 - 157				10/07/19 08:13	10/08/19 21:09	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:19	10/09/19 10:45	1
<b>Barium</b>	<b>0.69</b>		0.50	0.050	mg/L		10/07/19 16:19	10/09/19 10:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:19	10/09/19 10:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:19	10/09/19 10:45	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:45	1
<b>Cobalt</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:45	1
<b>Copper</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:45	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:19	10/09/19 10:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:19	10/09/19 10:45	1
<b>Manganese</b>	<b>2.2</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:45	1
<b>Nickel</b>	<b>0.051</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:45	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:19	10/09/19 10:45	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:45	1
<b>Zinc</b>	<b>0.044</b>	<b>J</b>	0.50	0.020	mg/L		10/07/19 16:19	10/09/19 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:16	10/08/19 17:11	1
<b>Barium</b>	<b>0.066</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:16	10/08/19 17:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:16	10/08/19 17:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:16	10/08/19 17:11	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:11	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:11	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:11	1
<b>Iron</b>	<b>0.39</b>	<b>J</b>	0.40	0.20	mg/L		10/07/19 16:16	10/08/19 17:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:16	10/08/19 17:11	1
<b>Manganese</b>	<b>0.046</b>		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:11	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:11	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:16	10/08/19 17:11	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(4-10)-093019**

**Lab Sample ID: 500-170913-7**

Date Collected: 09/30/19 02:50

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:11	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:16	10/08/19 17:11	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.55	J	1.1	0.22	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Arsenic	8.1		0.57	0.19	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Barium	38		0.57	0.064	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Beryllium	0.76		0.23	0.053	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Cadmium	<0.11		0.11	0.020	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Calcium	32000	B	11	1.9	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Chromium	18		0.57	0.28	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Cobalt	14		0.28	0.074	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Copper	32		0.57	0.16	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Iron	19000		11	5.9	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Lead	16		0.28	0.13	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Magnesium	18000		5.7	2.8	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Manganese	290		0.57	0.082	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Nickel	38		0.57	0.16	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Potassium	3200		28	10	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Selenium	0.40	J	0.57	0.33	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Silver	2.5		0.28	0.073	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Sodium	1300		57	8.4	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Thallium	1.1		0.57	0.28	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Vanadium	22		0.28	0.067	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1
Zinc	48		1.1	0.50	mg/Kg	☼	10/07/19 18:19	10/09/19 16:17	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 09:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 10:48	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.019	0.0062	mg/Kg	☼	10/03/19 14:35	10/04/19 07:42	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/07/19 17:27	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(10-15)-093019**

**Lab Sample ID: 500-170913-8**

Date Collected: 09/30/19 02:56

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Acetone	<0.016		0.016	0.0071	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Carbon disulfide	<0.0041		0.0041	0.00085	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1
Xylenes, Total	<0.0033		0.0033	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	09/30/19 17:30	10/07/19 17:04	1
4-Bromofluorobenzene (Surr)	104		75 - 131	09/30/19 17:30	10/07/19 17:04	1
Dibromofluoromethane	91		75 - 126	09/30/19 17:30	10/07/19 17:04	1
Toluene-d8 (Surr)	95		75 - 124	09/30/19 17:30	10/07/19 17:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(10-15)-093019**

**Lab Sample ID: 500-170913-8**

Date Collected: 09/30/19 02:56

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
2,4-Dinitrophenol	<0.81		0.81	0.70	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
<b>2-Methylnaphthalene</b>	<b>0.028</b>	<b>J</b>	0.081	0.0073	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
<b>Acenaphthene</b>	<b>0.016</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
<b>Benzo[g,h,i]perylene</b>	<b>0.014</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
<b>Chrysene</b>	<b>0.029</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
<b>Fluoranthene</b>	<b>0.0075</b>	<b>J</b>	0.040	0.0074	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
<b>Fluorene</b>	<b>0.0087</b>	<b>J</b>	0.040	0.0056	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Hexachlorocyclopentadiene	<0.81	*	0.81	0.23	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(10-15)-093019**

**Lab Sample ID: 500-170913-8**

Date Collected: 09/30/19 02:56

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
<b>Phenanthrene</b>	<b>0.13</b>		0.040	0.0056	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
<b>Pyrene</b>	<b>0.026</b>	<b>J</b>	0.040	0.0079	mg/Kg	☼	10/07/19 08:13	10/08/19 21:33	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	45		31 - 143				10/07/19 08:13	10/08/19 21:33	1
<i>2-Fluorobiphenyl</i>	75		43 - 145				10/07/19 08:13	10/08/19 21:33	1
<i>2-Fluorophenol</i>	95		31 - 166				10/07/19 08:13	10/08/19 21:33	1
<i>Nitrobenzene-d5</i>	68		37 - 147				10/07/19 08:13	10/08/19 21:33	1
<i>Phenol-d5</i>	108		30 - 153				10/07/19 08:13	10/08/19 21:33	1
<i>Terphenyl-d14</i>	74		42 - 157				10/07/19 08:13	10/08/19 21:33	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:19	10/09/19 10:49	1
<b>Barium</b>	<b>0.58</b>		0.50	0.050	mg/L		10/07/19 16:19	10/09/19 10:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:19	10/09/19 10:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:19	10/09/19 10:49	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:49	1
<b>Cobalt</b>	<b>0.024</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:49	1
<b>Copper</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:49	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:19	10/09/19 10:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:19	10/09/19 10:49	1
<b>Manganese</b>	<b>2.1</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:49	1
<b>Nickel</b>	<b>0.050</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:49	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:19	10/09/19 10:49	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:49	1
<b>Zinc</b>	<b>0.021</b>	<b>J</b>	0.50	0.020	mg/L		10/07/19 16:19	10/09/19 10:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:16	10/08/19 17:16	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:16	10/08/19 17:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:16	10/08/19 17:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:16	10/08/19 17:16	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:16	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:16	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:16	1
<b>Iron</b>	<b>0.68</b>		0.40	0.20	mg/L		10/07/19 16:16	10/08/19 17:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:16	10/08/19 17:16	1
<b>Manganese</b>	<b>0.028</b>		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:16	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:16	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:16	10/08/19 17:16	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(10-15)-093019**

**Lab Sample ID: 500-170913-8**

Date Collected: 09/30/19 02:56

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 82.4

**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 16:16	10/08/19 17:16	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:16	10/08/19 17:16	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.64	J	1.2	0.23	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Arsenic	8.0		0.58	0.20	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Barium	34		0.58	0.067	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Beryllium	0.66		0.23	0.055	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Calcium	55000	B	120	20	mg/Kg	☼	10/07/19 18:19	10/10/19 10:56	10
Chromium	17		0.58	0.29	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Cobalt	14		0.29	0.077	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Copper	33		0.58	0.16	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Iron	20000		12	6.1	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Lead	15		0.29	0.13	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Magnesium	25000		5.8	2.9	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Manganese	370		0.58	0.085	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Nickel	37		0.58	0.17	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Potassium	2900		29	10	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Selenium	0.41	J	0.58	0.34	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Silver	2.3		0.29	0.075	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Sodium	950		58	8.6	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Thallium	0.97		0.58	0.29	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Vanadium	20		0.29	0.069	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1
Zinc	47		1.2	0.51	mg/Kg	☼	10/07/19 18:19	10/09/19 16:21	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 09:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 10:50	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.020	0.0067	mg/Kg	☼	10/03/19 14:35	10/04/19 07:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/07/19 17:27	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(15-20)-093019**

**Lab Sample ID: 500-170913-9**

**Date Collected: 09/30/19 03:05**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 81.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	09/30/19 17:30	10/07/19 17:30	1
4-Bromofluorobenzene (Surr)	103		75 - 131	09/30/19 17:30	10/07/19 17:30	1
Dibromofluoromethane	92		75 - 126	09/30/19 17:30	10/07/19 17:30	1
Toluene-d8 (Surr)	94		75 - 124	09/30/19 17:30	10/07/19 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(15-20)-093019**

**Lab Sample ID: 500-170913-9**

Date Collected: 09/30/19 03:05

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
<b>2-Methylnaphthalene</b>	<b>0.017</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
<b>Benzo[a]pyrene</b>	<b>0.013</b>	<b>J</b>	0.040	0.0078	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
<b>Chrysene</b>	<b>0.020</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Hexachlorocyclopentadiene	<0.81	*	0.81	0.23	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(15-20)-093019**

**Lab Sample ID: 500-170913-9**

Date Collected: 09/30/19 03:05

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
<b>Phenanthrene</b>	<b>0.081</b>		0.040	0.0056	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1
<b>Pyrene</b>	<b>0.016</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/07/19 08:13	10/08/19 12:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	64		31 - 143	10/07/19 08:13	10/08/19 12:39	1
2-Fluorobiphenyl	86		43 - 145	10/07/19 08:13	10/08/19 12:39	1
2-Fluorophenol	105		31 - 166	10/07/19 08:13	10/08/19 12:39	1
Nitrobenzene-d5	89		37 - 147	10/07/19 08:13	10/08/19 12:39	1
Phenol-d5	126		30 - 153	10/07/19 08:13	10/08/19 12:39	1
Terphenyl-d14	86		42 - 157	10/07/19 08:13	10/08/19 12:39	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:19	10/09/19 10:53	1
<b>Barium</b>	<b>0.61</b>		0.50	0.050	mg/L		10/07/19 16:19	10/09/19 10:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:19	10/09/19 10:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:19	10/09/19 10:53	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:53	1
<b>Cobalt</b>	<b>0.029</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:53	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:53	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:19	10/09/19 10:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:19	10/09/19 10:53	1
<b>Manganese</b>	<b>2.1</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:53	1
<b>Nickel</b>	<b>0.052</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:53	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:19	10/09/19 10:53	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:53	1
<b>Zinc</b>	<b>0.050</b>	<b>J</b>	0.50	0.020	mg/L		10/07/19 16:19	10/09/19 10:53	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 16:16	10/08/19 17:20	1
<b>Barium</b>	<b>0.078</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:16	10/08/19 17:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:16	10/08/19 17:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:16	10/08/19 17:20	1
<b>Chromium</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:20	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:20	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:20	1
<b>Iron</b>	<b>5.1</b>		0.40	0.20	mg/L		10/07/19 16:16	10/08/19 17:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:16	10/08/19 17:20	1
<b>Manganese</b>	<b>0.061</b>		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:20	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:20	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:16	10/08/19 17:20	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(15-20)-093019**

**Lab Sample ID: 500-170913-9**

Date Collected: 09/30/19 03:05

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:20	1
Zinc	0.022	J B	0.50	0.020	mg/L		10/07/19 16:16	10/08/19 17:20	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.54	J	1.2	0.23	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Arsenic	7.4		0.60	0.20	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Barium	38		0.60	0.068	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Beryllium	0.73		0.24	0.056	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Cadmium	0.040	J B	0.12	0.021	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Calcium	49000	B	120	20	mg/Kg	☼	10/07/19 18:19	10/10/19 11:00	10
Chromium	18		0.60	0.29	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Cobalt	14		0.30	0.078	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Copper	31		0.60	0.17	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Iron	19000		12	6.2	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Lead	14		0.30	0.14	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Magnesium	23000		6.0	3.0	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Manganese	300		0.60	0.086	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Nickel	37		0.60	0.17	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Potassium	3000		30	11	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Selenium	0.53	J	0.60	0.35	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Silver	2.5		0.30	0.077	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Sodium	1200		60	8.8	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Thallium	1.1		0.60	0.30	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Vanadium	21		0.30	0.070	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1
Zinc	49		1.2	0.52	mg/Kg	☼	10/07/19 18:19	10/09/19 16:25	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 10:51	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.019	0.0063	mg/Kg	☼	10/03/19 14:35	10/04/19 07:53	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/07/19 17:27	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(20-28)-093019**

**Lab Sample ID: 500-170913-10**

**Date Collected: 09/30/19 03:11**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 80.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Acetone	<0.017		0.017	0.0074	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	09/30/19 17:30	10/07/19 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	09/30/19 17:30	10/07/19 17:56	1
4-Bromofluorobenzene (Surr)	103		75 - 131	09/30/19 17:30	10/07/19 17:56	1
Dibromofluoromethane	90		75 - 126	09/30/19 17:30	10/07/19 17:56	1
Toluene-d8 (Surr)	96		75 - 124	09/30/19 17:30	10/07/19 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(20-28)-093019**

**Lab Sample ID: 500-170913-10**

**Date Collected: 09/30/19 03:11**

**Matrix: Solid**

**Date Received: 09/30/19 15:15**

**Percent Solids: 80.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
<b>2-Methylnaphthalene</b>	<b>0.019</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
<b>Benzo[b]fluoranthene</b>	<b>0.010</b>	<b>J</b>	0.040	0.0087	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
<b>Chrysene</b>	<b>0.012</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Hexachlorobenzene	<0.081		0.081	0.0094	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Hexachlorocyclopentadiene	<0.81	*	0.81	0.23	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(20-28)-093019**

**Lab Sample ID: 500-170913-10**

Date Collected: 09/30/19 03:11

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.9

**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	<0.040		0.040	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
<b>Phenanthrene</b>	<b>0.050</b>		0.040	0.0056	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1
<b>Pyrene</b>	<b>0.0093</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/07/19 08:13	10/08/19 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	50		31 - 143	10/07/19 08:13	10/08/19 13:03	1
2-Fluorobiphenyl	76		43 - 145	10/07/19 08:13	10/08/19 13:03	1
2-Fluorophenol	93		31 - 166	10/07/19 08:13	10/08/19 13:03	1
Nitrobenzene-d5	80		37 - 147	10/07/19 08:13	10/08/19 13:03	1
Phenol-d5	109		30 - 153	10/07/19 08:13	10/08/19 13:03	1
Terphenyl-d14	80		42 - 157	10/07/19 08:13	10/08/19 13:03	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:19	10/09/19 10:58	1
<b>Barium</b>	<b>0.60</b>		0.50	0.050	mg/L		10/07/19 16:19	10/09/19 10:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:19	10/09/19 10:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:19	10/09/19 10:58	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:58	1
<b>Cobalt</b>	<b>0.020</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:58	1
<b>Copper</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:58	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:19	10/09/19 10:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:19	10/09/19 10:58	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:58	1
<b>Nickel</b>	<b>0.044</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:19	10/09/19 10:58	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 10:58	1
<b>Zinc</b>	<b>0.022</b>	<b>J</b>	0.50	0.020	mg/L		10/07/19 16:19	10/09/19 10:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:16	10/08/19 17:24	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:16	10/08/19 17:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:16	10/08/19 17:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:16	10/08/19 17:24	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:24	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:24	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:24	1
<b>Iron</b>	<b>0.21</b>	<b>J</b>	0.40	0.20	mg/L		10/07/19 16:16	10/08/19 17:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:16	10/08/19 17:24	1
<b>Manganese</b>	<b>0.028</b>		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:24	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:24	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:16	10/08/19 17:24	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(20-28)-093019**

**Lab Sample ID: 500-170913-10**

Date Collected: 09/30/19 03:11

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.9

**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 16:16	10/08/19 17:24	1
Zinc	0.026	J B	0.50	0.020	mg/L		10/07/19 16:16	10/08/19 17:24	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.62	J	1.2	0.23	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Arsenic	7.7		0.58	0.20	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Barium	37		0.58	0.066	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Beryllium	0.69		0.23	0.054	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Cadmium	0.23	B	0.12	0.021	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Calcium	61000	B	120	20	mg/Kg	☼	10/07/19 18:19	10/10/19 11:04	10
Chromium	17		0.58	0.29	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Cobalt	13		0.29	0.076	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Copper	30		0.58	0.16	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Iron	19000		12	6.1	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Lead	14		0.29	0.13	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Magnesium	27000		5.8	2.9	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Manganese	340		0.58	0.084	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Nickel	34		0.58	0.17	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Potassium	2700		29	10	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Selenium	0.52	J	0.58	0.34	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Silver	2.4		0.29	0.075	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Sodium	400		58	8.6	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Thallium	1.1		0.58	0.29	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Vanadium	20		0.29	0.069	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1
Zinc	90		1.2	0.51	mg/Kg	☼	10/07/19 18:19	10/09/19 16:41	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 09:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 10:57	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.019	0.0062	mg/Kg	☼	10/03/19 14:35	10/04/19 07:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/07/19 17:27	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(20-28)-093019D**

**Lab Sample ID: 500-170913-11**

Date Collected: 09/30/19 03:11

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Acetone	<0.017		0.017	0.0076	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Benzene	<0.0017		0.0017	0.00045	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Bromodichloromethane	<0.0017		0.0017	0.00036	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Carbon tetrachloride	<0.0017		0.0017	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Chloroform	<0.0017		0.0017	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Ethylbenzene	<0.0017		0.0017	0.00084	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Styrene	<0.0017		0.0017	0.00053	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	09/30/19 17:30	10/07/19 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	09/30/19 17:30	10/07/19 18:22	1
4-Bromofluorobenzene (Surr)	103		75 - 131	09/30/19 17:30	10/07/19 18:22	1
Dibromofluoromethane	92		75 - 126	09/30/19 17:30	10/07/19 18:22	1
Toluene-d8 (Surr)	94		75 - 124	09/30/19 17:30	10/07/19 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
1,4-Dichlorobenzene	<0.21		0.21	0.052	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(20-28)-093019D**

**Lab Sample ID: 500-170913-11**

Date Collected: 09/30/19 03:11

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.093	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
2,4-Dimethylphenol	<0.41		0.41	0.15	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
2,6-Dinitrotoluene	<0.21		0.21	0.080	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
<b>2-Methylnaphthalene</b>	<b>0.030</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
2-Methylphenol	<0.21		0.21	0.065	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
2-Nitrophenol	<0.41		0.41	0.096	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
<b>Acenaphthene</b>	<b>0.0092</b>	<b>J</b>	0.041	0.0073	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Anthracene	<0.041		0.041	0.0068	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
<b>Benzo[a]pyrene</b>	<b>0.013</b>	<b>J</b>	0.041	0.0079	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
<b>Benzo[b]fluoranthene</b>	<b>0.011</b>	<b>J</b>	0.041	0.0088	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
<b>Chrysene</b>	<b>0.017</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Dimethyl phthalate	<0.21		0.21	0.053	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
<b>Fluorene</b>	<b>0.0069</b>	<b>J</b>	0.041	0.0057	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Hexachlorobenzene	<0.082		0.082	0.0095	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Hexachlorocyclopentadiene	<0.82	*	0.82	0.23	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(20-28)-093019D**

**Lab Sample ID: 500-170913-11**

Date Collected: 09/30/19 03:11

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
<b>Naphthalene</b>	<b>0.0091</b>	<b>J</b>	0.041	0.0063	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
<b>Phenanthrene</b>	<b>0.083</b>		0.041	0.0057	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
<b>Pyrene</b>	<b>0.016</b>	<b>J</b>	0.041	0.0081	mg/Kg	☼	10/07/19 08:13	10/08/19 19:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	57		31 - 143				10/07/19 08:13	10/08/19 19:32	1
2-Fluorobiphenyl	87		43 - 145				10/07/19 08:13	10/08/19 19:32	1
2-Fluorophenol	113		31 - 166				10/07/19 08:13	10/08/19 19:32	1
Nitrobenzene-d5	100		37 - 147				10/07/19 08:13	10/08/19 19:32	1
Phenol-d5	127		30 - 153				10/07/19 08:13	10/08/19 19:32	1
Terphenyl-d14	90		42 - 157				10/07/19 08:13	10/08/19 19:32	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:19	10/09/19 11:02	1
<b>Barium</b>	<b>0.61</b>		0.50	0.050	mg/L		10/07/19 16:19	10/09/19 11:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:19	10/09/19 11:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:19	10/09/19 11:02	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 11:02	1
<b>Cobalt</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:19	10/09/19 11:02	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 11:02	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:19	10/09/19 11:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:19	10/09/19 11:02	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 11:02	1
<b>Nickel</b>	<b>0.043</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 11:02	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:19	10/09/19 11:02	1
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 11:02	1
<b>Zinc</b>	<b>0.11</b>	<b>J</b>	0.50	0.020	mg/L		10/07/19 16:19	10/09/19 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:16	10/08/19 17:28	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:16	10/08/19 17:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:16	10/08/19 17:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:16	10/08/19 17:28	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:28	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:28	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:28	1
<b>Iron</b>	<b>0.21</b>	<b>J</b>	0.40	0.20	mg/L		10/07/19 16:16	10/08/19 17:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:16	10/08/19 17:28	1
<b>Manganese</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:28	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:28	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:16	10/08/19 17:28	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

**Client Sample ID: ROW-34(20-28)-093019D**

**Lab Sample ID: 500-170913-11**

Date Collected: 09/30/19 03:11

Matrix: Solid

Date Received: 09/30/19 15:15

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:16	10/08/19 17:28	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:16	10/08/19 17:28	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.58	J	1.2	0.23	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Arsenic	8.1		0.60	0.21	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Barium	33		0.60	0.068	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Beryllium	0.67		0.24	0.056	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Cadmium	<0.12		0.12	0.022	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Calcium	69000	B	120	20	mg/Kg	☼	10/07/19 18:19	10/10/19 11:08	10
Chromium	16		0.60	0.30	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Cobalt	13		0.30	0.079	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Copper	31		0.60	0.17	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Iron	19000		12	6.2	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Lead	15		0.30	0.14	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Magnesium	32000		6.0	3.0	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Manganese	340		0.60	0.087	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Nickel	34		0.60	0.17	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Potassium	2500		30	11	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Selenium	0.49	J	0.60	0.35	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Silver	2.1		0.30	0.078	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Sodium	440		60	8.9	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Thallium	0.95		0.60	0.30	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Vanadium	19		0.30	0.071	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1
Zinc	49		1.2	0.53	mg/Kg	☼	10/07/19 18:19	10/09/19 16:45	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/19 10:00	10/07/19 10:58	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.020	0.0066	mg/Kg	☼	10/03/19 14:35	10/04/19 07:57	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/07/19 17:27	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC/MS Semi VOA

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

### Metals

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

## Glossary

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

# Accreditation/Certification Summary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170913-1

## 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 604  
Phone: 708.534.5200 Fax: 708.534.



500-170913 COC

Report To (optional) Andris Slessers  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

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

## Chain of Custody Record

Lab Job #: 500-170913

Chain of Custody Number: \_\_\_\_\_

Page 3 of 4

Temperature °C of Cooler: 4, 3.5, 2, 5.5, 5.9

Client		Client Project #		Preservative		Parameter		Comments			
<u>Weston</u>		<u>02056.016.003</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 #		Date		Time		Matrix			
<u>ROOF 90/94</u>											
Project Location/State		Lab PM		Date		Time		Matrix			
<u>Chicago, IL</u>											
Sampler		Lab PM		Date		Time		Matrix			
<u>C. Perez + M. Delrio</u>											
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SUOCs	Total Metals	TECP/SPP Metals	pH
1		ROW-35(4-10)-093019	09/30/19	0155	6	S	X	X	X	X	X
2		ROW-35(4-10)-093019D		0155	6	S					
3		ROW-35(10-15)-093019		0159	6	S					
4		ROW-31-093019		0200	6	WT					
5		ROW-31-093019D		0200	6	WT					
6		ROW-34(09)-093019		0245	6	S					
7		ROW-34(4-10)-093019		0250	6	S					
8		ROW-34(10-15)-093019		0256	6	S					
9		ROW-34(15-20)-093019		0305	6	S					
10		ROW-34(20-28)-093019		0311	6	S					

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>G. Neal</u> Company: <u>WS</u> Date: <u>9/30/19</u> Time: <u>1415</u>	Received By: <u>P. Neal</u> Company: <u>TA</u> Date: <u>9/30/19</u> Time: <u>1515</u>
Relinquished By: <u>P. Neal</u> Company: <u>TA</u> Date: <u>9/30/19</u> Time: <u>1515</u>	Received By: <u>Andris Slessers</u> Company: <u>TA-COC</u> Date: <u>9/30/19</u> Time: <u>1515</u>

Lab Courier: TIA  
Shipped: \_\_\_\_\_  
Hand Delivered: \_\_\_\_\_

Matrix Key

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

Client Comments

Lab Comments:

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)  
 Contact: Andis Slessers  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

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

## Chain of Custody Record

Lab Job #: 500-170913  
 Chain of Custody Number: \_\_\_\_\_  
 Page 9 of 9  
 Temperature °C of Cooler: 4.35, 2.55, 5.9

Client		Client Project #		Preservative		Parameter		Preservative Key			
<u>Weston</u>		<u>07056.016.003</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		Project Location/State		Lab Project #		Lab PM		Comments			
<u>EDOT 90/99</u>		<u>Chicago, IL</u>									
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SUOCs	Total Metals	PCLP/SCLP Metals	pH
			Date	Time							
<u>11</u>		<u>RCW-34(20-28)-092019</u>	<u>9/30/19</u>	<u>0311</u>	<u>6</u>	<u>S</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  
 Requested Due Date \_\_\_\_\_

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

Relinquished By <u>[Signature]</u>	Company <u>Weston</u>	Date <u>9/28/19</u>	Time <u>1415</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>9/30/19</u>	Time <u>1415</u>
Relinquished By <u>[Signature]</u>	Company <u>TA</u>	Date <u>9/30/19</u>	Time <u>1515</u>	Received By <u>[Signature]</u>	Company <u>TA-CPA</u>	Date <u>9/30/19</u>	Time <u>1515</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: [Signature]  
 Shipped: \_\_\_\_\_  
 Hand Delivered: \_\_\_\_\_

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

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

## ANALYTICAL REPORT

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

Laboratory Job ID: 500-170985-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
10/11/2019 3:31:44 PM

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

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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

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

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



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-1(5-7)-093019**

**Lab Sample ID: 500-170985-1**

Date Collected: 09/30/19 23:30

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Acetone	<0.017		0.017	0.0073	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Chloroethane	<0.0042 *		0.0042	0.0012	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/01/19 15:55	10/08/19 11:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	10/01/19 15:55	10/08/19 11:50	1
4-Bromofluorobenzene (Surr)	90		75 - 131	10/01/19 15:55	10/08/19 11:50	1
Dibromofluoromethane	98		75 - 126	10/01/19 15:55	10/08/19 11:50	1
Toluene-d8 (Surr)	95		75 - 124	10/01/19 15:55	10/08/19 11:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-1(5-7)-093019**

**Lab Sample ID: 500-170985-1**

Date Collected: 09/30/19 23:30

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
2-Methylphenol	<0.20	F1	0.20	0.064	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Hexachlorocyclopentadiene	<0.80	F1	0.80	0.23	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Hexachloroethane	<0.20	F1	0.20	0.060	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-1(5-7)-093019**

**Lab Sample ID: 500-170985-1**

Date Collected: 09/30/19 23:30

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 83.2

## 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	<0.039		0.039	0.010	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
N-Nitrosodiphenylamine	<0.20	*	0.20	0.047	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	10/08/19 07:41	10/08/19 20:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	86		31 - 143				10/08/19 07:41	10/08/19 20:42	1
2-Fluorobiphenyl	77		43 - 145				10/08/19 07:41	10/08/19 20:42	1
2-Fluorophenol	87		31 - 166				10/08/19 07:41	10/08/19 20:42	1
Nitrobenzene-d5	68		37 - 147				10/08/19 07:41	10/08/19 20:42	1
Phenol-d5	73		30 - 153				10/08/19 07:41	10/08/19 20:42	1
Terphenyl-d14	90		42 - 157				10/08/19 07:41	10/08/19 20:42	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 14:36	10/09/19 19:11	1
<b>Barium</b>	<b>0.19</b>	<b>J</b>	0.50	0.050	mg/L		10/08/19 14:36	10/09/19 19:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 14:36	10/09/19 19:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 14:36	10/09/19 19:11	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:11	1
Cobalt	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:11	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:11	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 14:36	10/09/19 19:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 14:36	10/09/19 19:11	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:11	1
Nickel	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:11	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 14:36	10/09/19 19:11	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:11	1
Zinc	<0.50		0.50	0.020	mg/L		10/08/19 14:36	10/09/19 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.028</b>	<b>J</b>	0.050	0.010	mg/L		10/07/19 16:17	10/08/19 18:01	1
<b>Barium</b>	<b>0.12</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:17	10/08/19 18:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:17	10/08/19 18:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:17	10/08/19 18:01	1
<b>Chromium</b>	<b>0.065</b>		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:01	1
<b>Cobalt</b>	<b>0.034</b>		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:01	1
<b>Copper</b>	<b>0.065</b>		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:01	1
<b>Iron</b>	<b>71</b>		0.40	0.20	mg/L		10/07/19 16:17	10/08/19 18:01	1
<b>Lead</b>	<b>0.046</b>		0.0075	0.0075	mg/L		10/07/19 16:17	10/08/19 18:01	1
<b>Manganese</b>	<b>0.53</b>		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:01	1
<b>Nickel</b>	<b>0.060</b>		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:01	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:17	10/08/19 18:01	1

Eurolins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-1(5-7)-093019**

**Lab Sample ID: 500-170985-1**

Date Collected: 09/30/19 23:30

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 83.2

**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 16:17	10/08/19 18:01	1
<b>Zinc</b>	<b>0.24</b>	<b>J</b>	0.50	0.020	mg/L		10/07/19 16:17	10/08/19 18:01	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.56</b>	<b>J F1</b>	1.2	0.22	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Arsenic</b>	<b>3.0</b>		0.58	0.20	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Barium</b>	<b>12</b>		0.58	0.066	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Beryllium</b>	<b>0.19</b>	<b>J</b>	0.23	0.054	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Cadmium</b>	<b>0.088</b>	<b>J B</b>	0.12	0.021	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Calcium</b>	<b>78000</b>	<b>B</b>	120	20	mg/Kg	☼	10/08/19 16:55	10/10/19 12:11	10
<b>Chromium</b>	<b>6.3</b>		0.58	0.29	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Cobalt</b>	<b>4.1</b>		0.29	0.076	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Copper</b>	<b>6.6</b>	<b>B</b>	0.58	0.16	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Iron</b>	<b>6400</b>	<b>B</b>	12	6.0	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Lead</b>	<b>5.6</b>		0.29	0.13	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Magnesium</b>	<b>32000</b>	<b>B</b>	5.8	2.9	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Manganese</b>	<b>320</b>		0.58	0.084	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Nickel</b>	<b>7.9</b>		0.58	0.17	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Potassium</b>	<b>800</b>	<b>F1</b>	29	10	mg/Kg	☼	10/08/19 16:55	10/10/19 10:17	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Silver</b>	<b>1.5</b>		0.29	0.074	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Sodium</b>	<b>470</b>		58	8.5	mg/Kg	☼	10/08/19 16:55	10/10/19 10:17	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Vanadium</b>	<b>9.9</b>		0.29	0.068	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1
<b>Zinc</b>	<b>22</b>		1.2	0.51	mg/Kg	☼	10/08/19 16:55	10/10/19 02:50	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 08:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 09:22	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.019		0.019	0.0062	mg/Kg	☼	10/04/19 14:40	10/07/19 08:28	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.9</b>		0.2	0.2	SU			10/07/19 17:27	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-2(3-5)-093019**

**Lab Sample ID: 500-170985-2**

**Date Collected: 09/30/19 23:45**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 83.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
<b>Acetone</b>	<b>0.0084</b>	<b>J</b>	0.017	0.0074	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Chloroethane	<0.0042	*	0.0042	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/01/19 15:55	10/08/19 12:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	10/01/19 15:55	10/08/19 12:15	1
4-Bromofluorobenzene (Surr)	88		75 - 131	10/01/19 15:55	10/08/19 12:15	1
Dibromofluoromethane	95		75 - 126	10/01/19 15:55	10/08/19 12:15	1
Toluene-d8 (Surr)	95		75 - 124	10/01/19 15:55	10/08/19 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-2(3-5)-093019**

**Lab Sample ID: 500-170985-2**

Date Collected: 09/30/19 23:45

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
<b>Anthracene</b>	<b>0.0083</b>	<b>J</b>	0.039	0.0066	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Benzo[b]fluoranthene	<0.039		0.039	0.0086	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
<b>Fluoranthene</b>	<b>0.011</b>	<b>J</b>	0.039	0.0074	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-2(3-5)-093019**

**Lab Sample ID: 500-170985-2**

Date Collected: 09/30/19 23:45

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 83.2

**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	<0.039		0.039	0.010	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
<b>Naphthalene</b>	<b>0.0061</b>	<b>J</b>	0.039	0.0061	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
N-Nitrosodiphenylamine	<0.20	*	0.20	0.047	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
<b>Phenanthrene</b>	<b>0.0072</b>	<b>J</b>	0.039	0.0055	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1
<b>Pyrene</b>	<b>0.014</b>	<b>J</b>	0.039	0.0079	mg/Kg	☼	10/08/19 07:41	10/08/19 21:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	87		31 - 143	10/08/19 07:41	10/08/19 21:10	1
2-Fluorobiphenyl	87		43 - 145	10/08/19 07:41	10/08/19 21:10	1
2-Fluorophenol	92		31 - 166	10/08/19 07:41	10/08/19 21:10	1
Nitrobenzene-d5	77		37 - 147	10/08/19 07:41	10/08/19 21:10	1
Phenol-d5	81		30 - 153	10/08/19 07:41	10/08/19 21:10	1
Terphenyl-d14	93		42 - 157	10/08/19 07:41	10/08/19 21:10	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 14:36	10/09/19 19:15	1
<b>Barium</b>	<b>0.22</b>	<b>J</b>	0.50	0.050	mg/L		10/08/19 14:36	10/09/19 19:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 14:36	10/09/19 19:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 14:36	10/09/19 19:15	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:15	1
<b>Cobalt</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:15	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:15	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 14:36	10/09/19 19:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 14:36	10/09/19 19:15	1
<b>Manganese</b>	<b>1.4</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:15	1
<b>Nickel</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:15	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 14:36	10/09/19 19:15	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:15	1
<b>Zinc</b>	<b>0.034</b>	<b>J</b>	0.50	0.020	mg/L		10/08/19 14:36	10/09/19 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:17	10/08/19 18:06	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:17	10/08/19 18:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:17	10/08/19 18:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:17	10/08/19 18:06	1
<b>Chromium</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:06	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:06	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:06	1
<b>Iron</b>	<b>10</b>		0.40	0.20	mg/L		10/07/19 16:17	10/08/19 18:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:17	10/08/19 18:06	1
<b>Manganese</b>	<b>0.092</b>		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:06	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:06	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:17	10/08/19 18:06	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-2(3-5)-093019**

**Lab Sample ID: 500-170985-2**

Date Collected: 09/30/19 23:45

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 83.2

**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 16:17	10/08/19 18:06	1
<b>Zinc</b>	<b>0.047</b>	<b>J</b>	0.50	0.020	mg/L		10/07/19 16:17	10/08/19 18:06	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.48</b>	<b>J</b>	1.1	0.22	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Arsenic</b>	<b>2.8</b>		0.57	0.19	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Barium</b>	<b>15</b>		0.57	0.065	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Beryllium</b>	<b>0.17</b>	<b>J</b>	0.23	0.053	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Cadmium</b>	<b>0.12</b>	<b>B</b>	0.11	0.020	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Calcium</b>	<b>78000</b>	<b>B</b>	110	19	mg/Kg	☼	10/08/19 16:55	10/10/19 12:39	10
<b>Chromium</b>	<b>5.7</b>		0.57	0.28	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Cobalt</b>	<b>4.4</b>		0.28	0.074	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Copper</b>	<b>6.6</b>	<b>B</b>	0.57	0.16	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Iron</b>	<b>5800</b>	<b>B</b>	11	5.9	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Lead</b>	<b>5.6</b>		0.28	0.13	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Magnesium</b>	<b>32000</b>	<b>B</b>	5.7	2.8	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Manganese</b>	<b>330</b>		0.57	0.082	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Nickel</b>	<b>7.8</b>		0.57	0.16	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Potassium</b>	<b>790</b>		28	10	mg/Kg	☼	10/08/19 16:55	10/10/19 10:37	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Silver</b>	<b>1.3</b>		0.28	0.073	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Sodium</b>	<b>680</b>		57	8.4	mg/Kg	☼	10/08/19 16:55	10/10/19 10:37	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Vanadium</b>	<b>9.7</b>		0.28	0.067	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1
<b>Zinc</b>	<b>24</b>		1.1	0.50	mg/Kg	☼	10/08/19 16:55	10/10/19 03:22	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 09:24	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.017		0.017	0.0058	mg/Kg	☼	10/04/19 14:40	10/07/19 08:30	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.2</b>		0.2	0.2	SU			10/07/19 17:27	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-3(3-5)-100119**

**Lab Sample ID: 500-170985-3**

**Date Collected: 10/01/19 00:10**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 78.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00065	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Acetone	<0.015		0.015	0.0066	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Carbon disulfide	<0.0038		0.0038	0.00079	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Chloroethane	<0.0038 *		0.0038	0.0011	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Vinyl chloride	<0.0015		0.0015	0.00067	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1
Xylenes, Total	<0.0030		0.0030	0.00049	mg/Kg	☼	10/01/19 15:55	10/08/19 12:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	10/01/19 15:55	10/08/19 12:41	1
4-Bromofluorobenzene (Surr)	90		75 - 131	10/01/19 15:55	10/08/19 12:41	1
Dibromofluoromethane	95		75 - 126	10/01/19 15:55	10/08/19 12:41	1
Toluene-d8 (Surr)	95		75 - 124	10/01/19 15:55	10/08/19 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-3(3-5)-100119**

**Lab Sample ID: 500-170985-3**

Date Collected: 10/01/19 00:10

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 78.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
2,4-Dinitrophenol	<0.83		0.83	0.73	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
2-Methylnaphthalene	<0.083		0.083	0.0076	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
<b>Benzo[a]anthracene</b>	<b>0.0058</b>	<b>J</b>	0.041	0.0056	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
<b>Chrysene</b>	<b>0.015</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Hexachlorobenzene	<0.083		0.083	0.0096	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-3(3-5)-100119**

**Lab Sample ID: 500-170985-3**

Date Collected: 10/01/19 00:10

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 78.4

**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	<0.041		0.041	0.011	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.051	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
N-Nitrosodiphenylamine	<0.21 *		0.21	0.049	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
<b>Phenanthrene</b>	<b>0.038</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
<b>Pyrene</b>	<b>0.014</b>	<b>J</b>	0.041	0.0082	mg/Kg	☼	10/08/19 07:41	10/09/19 00:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	64		31 - 143				10/08/19 07:41	10/09/19 00:57	1
2-Fluorobiphenyl	72		43 - 145				10/08/19 07:41	10/09/19 00:57	1
2-Fluorophenol	81		31 - 166				10/08/19 07:41	10/09/19 00:57	1
Nitrobenzene-d5	62		37 - 147				10/08/19 07:41	10/09/19 00:57	1
Phenol-d5	65		30 - 153				10/08/19 07:41	10/09/19 00:57	1
Terphenyl-d14	78		42 - 157				10/08/19 07:41	10/09/19 00:57	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 14:36	10/09/19 19:19	1
<b>Barium</b>	<b>0.37</b>	<b>J</b>	0.50	0.050	mg/L		10/08/19 14:36	10/09/19 19:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 14:36	10/09/19 19:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 14:36	10/09/19 19:19	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:19	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:19	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:19	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 14:36	10/09/19 19:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 14:36	10/09/19 19:19	1
<b>Manganese</b>	<b>2.0</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:19	1
<b>Nickel</b>	<b>0.030</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:19	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 14:36	10/09/19 19:19	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:19	1
Zinc	<0.50		0.50	0.020	mg/L		10/08/19 14:36	10/09/19 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		10/07/19 16:17	10/08/19 18:10	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:17	10/08/19 18:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:17	10/08/19 18:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:17	10/08/19 18:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:10	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:10	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:10	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:17	10/08/19 18:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:17	10/08/19 18:10	1
<b>Manganese</b>	<b>0.033</b>		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:10	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:10	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:17	10/08/19 18:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-3(3-5)-100119**

**Lab Sample ID: 500-170985-3**

Date Collected: 10/01/19 00:10

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 78.4

**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 16:17	10/08/19 18:10	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:17	10/08/19 18:10	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.62	J	1.2	0.23	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Arsenic	4.0		0.59	0.20	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Barium	43		0.59	0.067	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Beryllium	0.58		0.23	0.055	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Cadmium	0.026	J B	0.12	0.021	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Calcium	73000	B	120	20	mg/Kg	☼	10/08/19 16:55	10/10/19 12:43	10
Chromium	17		0.59	0.29	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Cobalt	8.4		0.29	0.077	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Copper	18	B	0.59	0.16	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Iron	12000	B	12	6.1	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Lead	8.3		0.29	0.14	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Magnesium	27000	B	5.9	2.9	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Manganese	200		0.59	0.085	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Nickel	23		0.59	0.17	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Potassium	3300		29	10	mg/Kg	☼	10/08/19 16:55	10/10/19 10:41	1
Selenium	0.57	J	0.59	0.34	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Silver	2.4		0.29	0.075	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Sodium	800		59	8.7	mg/Kg	☼	10/08/19 16:55	10/10/19 10:41	1
Thallium	0.69		0.59	0.29	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Vanadium	20		0.29	0.069	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1
Zinc	29		1.2	0.51	mg/Kg	☼	10/08/19 16:55	10/10/19 03:26	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 08:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 09:25	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.020	0.0067	mg/Kg	☼	10/04/19 14:40	10/07/19 08:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/08/19 13:42	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-4(3-4)-100119**

**Lab Sample ID: 500-170985-4**

Date Collected: 10/01/19 00:30

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Acetone	<0.018		0.018	0.0077	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Chloroethane	<0.0044 *		0.0044	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0020	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1
Xylenes, Total	<0.0035		0.0035	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	10/01/19 15:55	10/08/19 13:07	1
4-Bromofluorobenzene (Surr)	100		75 - 131	10/01/19 15:55	10/08/19 13:07	1
Dibromofluoromethane	97		75 - 126	10/01/19 15:55	10/08/19 13:07	1
Toluene-d8 (Surr)	100		75 - 124	10/01/19 15:55	10/08/19 13:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-4(3-4)-100119**

**Lab Sample ID: 500-170985-4**

Date Collected: 10/01/19 00:30

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
<b>Acenaphthene</b>	<b>0.0080</b>	<b>J</b>	0.039	0.0071	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
<b>Benzo[a]anthracene</b>	<b>0.013</b>	<b>J</b>	0.039	0.0053	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
<b>Chrysene</b>	<b>0.011</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-4(3-4)-100119**

**Lab Sample ID: 500-170985-4**

**Date Collected: 10/01/19 00:30**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 79.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
N-Nitrosodiphenylamine	<0.20 *		0.20	0.047	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
<b>Phenanthrene</b>	<b>0.063</b>		0.039	0.0055	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	10/08/19 07:41	10/09/19 01:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	58		31 - 143				10/08/19 07:41	10/09/19 01:25	1
2-Fluorobiphenyl	63		43 - 145				10/08/19 07:41	10/09/19 01:25	1
2-Fluorophenol	71		31 - 166				10/08/19 07:41	10/09/19 01:25	1
Nitrobenzene-d5	54		37 - 147				10/08/19 07:41	10/09/19 01:25	1
Phenol-d5	57		30 - 153				10/08/19 07:41	10/09/19 01:25	1
Terphenyl-d14	75		42 - 157				10/08/19 07:41	10/09/19 01:25	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 14:36	10/09/19 19:23	1
<b>Barium</b>	<b>0.35</b>	<b>J</b>	0.50	0.050	mg/L		10/08/19 14:36	10/09/19 19:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 14:36	10/09/19 19:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 14:36	10/09/19 19:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:23	1
<b>Cobalt</b>	<b>0.031</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:23	1
<b>Copper</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:23	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 14:36	10/09/19 19:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 14:36	10/09/19 19:23	1
<b>Manganese</b>	<b>2.0</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:23	1
<b>Nickel</b>	<b>0.067</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:23	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 14:36	10/09/19 19:23	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:23	1
Zinc	<0.50		0.50	0.020	mg/L		10/08/19 14:36	10/09/19 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:17	10/08/19 18:14	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:17	10/08/19 18:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:17	10/08/19 18:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:17	10/08/19 18:14	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:14	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:14	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:14	1
<b>Iron</b>	<b>1.0</b>		0.40	0.20	mg/L		10/07/19 16:17	10/08/19 18:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:17	10/08/19 18:14	1
<b>Manganese</b>	<b>0.040</b>		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:14	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:14	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:17	10/08/19 18:14	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-4(3-4)-100119**

**Lab Sample ID: 500-170985-4**

Date Collected: 10/01/19 00:30

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 79.5

**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 16:17	10/08/19 18:14	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:17	10/08/19 18:14	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J	1.1	0.22	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Arsenic	9.0		0.57	0.20	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Barium	36		0.57	0.065	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Beryllium	0.75		0.23	0.053	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Cadmium	<0.11		0.11	0.021	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Calcium	26000	B	11	1.9	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Chromium	18		0.57	0.28	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Cobalt	16		0.29	0.075	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Copper	38	B	0.57	0.16	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Iron	20000	B	11	5.9	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Lead	16		0.29	0.13	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Magnesium	17000	B	5.7	2.8	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Manganese	260		0.57	0.083	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Nickel	43		0.57	0.17	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Potassium	3800		29	10	mg/Kg	☼	10/08/19 16:55	10/10/19 10:45	1
Selenium	1.0		0.57	0.34	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Silver	2.4		0.29	0.074	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Sodium	970		57	8.5	mg/Kg	☼	10/08/19 16:55	10/10/19 10:45	1
Thallium	1.2		0.57	0.29	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Vanadium	21		0.29	0.067	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1
Zinc	45		1.1	0.50	mg/Kg	☼	10/08/19 16:55	10/10/19 03:30	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 08:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 09:27	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.020	0.0066	mg/Kg	☼	10/04/19 14:40	10/07/19 08:39	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/08/19 13:48	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-4(4-10)-100119**

**Lab Sample ID: 500-170985-5**

**Date Collected: 10/01/19 00:40**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 71.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0021		0.0021	0.00070	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
1,1,2,2-Tetrachloroethane	<0.0021		0.0021	0.00066	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
1,1,2-Trichloroethane	<0.0021		0.0021	0.00089	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
1,1-Dichloroethane	<0.0021		0.0021	0.00071	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
1,1-Dichloroethene	<0.0021		0.0021	0.00071	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
1,2-Dichloroethane	<0.0052		0.0052	0.0016	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
1,2-Dichloropropane	<0.0021		0.0021	0.00054	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
1,3-Dichloropropene, Total	<0.0021		0.0021	0.00073	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
2-Hexanone	<0.0052		0.0052	0.0016	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Acetone	<0.021		0.021	0.0090	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Benzene	<0.0021		0.0021	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Bromodichloromethane	<0.0021		0.0021	0.00042	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Bromoform	<0.0021		0.0021	0.00060	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Bromomethane	<0.0052		0.0052	0.0020	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Carbon disulfide	<0.0052		0.0052	0.0011	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Carbon tetrachloride	<0.0021		0.0021	0.00060	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Chlorobenzene	<0.0021		0.0021	0.00076	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Chloroethane	<0.0052 *		0.0052	0.0015	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Chloroform	<0.0021		0.0021	0.00072	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Chloromethane	<0.0052		0.0052	0.0021	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
cis-1,2-Dichloroethene	<0.0021		0.0021	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
cis-1,3-Dichloropropene	<0.0021		0.0021	0.00062	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Dibromochloromethane	<0.0021		0.0021	0.00068	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Ethylbenzene	<0.0021		0.0021	0.00099	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Methyl Ethyl Ketone	<0.0052		0.0052	0.0023	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
methyl isobutyl ketone	<0.0052		0.0052	0.0015	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Methyl tert-butyl ether	<0.0021		0.0021	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Methylene Chloride	<0.0052		0.0052	0.0020	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Styrene	<0.0021		0.0021	0.00063	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Tetrachloroethene	<0.0021		0.0021	0.00071	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Toluene	<0.0021		0.0021	0.00052	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
trans-1,2-Dichloroethene	<0.0021		0.0021	0.00092	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
trans-1,3-Dichloropropene	<0.0021		0.0021	0.00073	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Trichloroethene	<0.0021		0.0021	0.00070	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Vinyl chloride	<0.0021		0.0021	0.00092	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1
Xylenes, Total	<0.0041		0.0041	0.00066	mg/Kg	☼	10/01/19 15:55	10/08/19 13:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	10/01/19 15:55	10/08/19 13:32	1
4-Bromofluorobenzene (Surr)	97		75 - 131	10/01/19 15:55	10/08/19 13:32	1
Dibromofluoromethane	96		75 - 126	10/01/19 15:55	10/08/19 13:32	1
Toluene-d8 (Surr)	101		75 - 124	10/01/19 15:55	10/08/19 13:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.23		0.23	0.049	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
1,2-Dichlorobenzene	<0.23		0.23	0.054	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
1,3-Dichlorobenzene	<0.23		0.23	0.051	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
1,4-Dichlorobenzene	<0.23		0.23	0.058	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
2,2'-oxybis[1-chloropropane]	<0.23		0.23	0.053	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-4(4-10)-100119**

**Lab Sample ID: 500-170985-5**

**Date Collected: 10/01/19 00:40**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 71.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.45		0.45	0.10	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
2,4,6-Trichlorophenol	<0.45		0.45	0.16	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
2,4-Dichlorophenol	<0.45		0.45	0.11	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
2,4-Dimethylphenol	<0.45		0.45	0.17	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
2,4-Dinitrophenol	<0.91		0.91	0.80	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
2,4-Dinitrotoluene	<0.23		0.23	0.072	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
2,6-Dinitrotoluene	<0.23		0.23	0.089	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
2-Chloronaphthalene	<0.23		0.23	0.050	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
2-Chlorophenol	<0.23		0.23	0.077	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
2-Methylnaphthalene	<0.091		0.091	0.0083	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
2-Methylphenol	<0.23		0.23	0.073	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
2-Nitroaniline	<0.23		0.23	0.061	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
2-Nitrophenol	<0.45		0.45	0.11	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
3 & 4 Methylphenol	<0.23		0.23	0.076	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
3,3'-Dichlorobenzidine	<0.23		0.23	0.063	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
3-Nitroaniline	<0.45		0.45	0.14	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
4,6-Dinitro-2-methylphenol	<0.91		0.91	0.36	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
4-Bromophenyl phenyl ether	<0.23		0.23	0.060	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
4-Chloro-3-methylphenol	<0.45		0.45	0.15	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
4-Chloroaniline	<0.91		0.91	0.21	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
4-Chlorophenyl phenyl ether	<0.23		0.23	0.053	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
4-Nitroaniline	<0.45		0.45	0.19	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
4-Nitrophenol	<0.91		0.91	0.43	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Acenaphthene	<0.045		0.045	0.0081	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Acenaphthylene	<0.045		0.045	0.0060	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Anthracene	<0.045		0.045	0.0076	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Benzo[a]anthracene	<0.045		0.045	0.0061	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Benzo[a]pyrene	<0.045		0.045	0.0088	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Benzo[b]fluoranthene	<0.045		0.045	0.0098	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
<b>Benzo[g,h,i]perylene</b>	<b>0.015</b>	<b>J</b>	0.045	0.015	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Benzo[k]fluoranthene	<0.045		0.045	0.013	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Bis(2-chloroethoxy)methane	<0.23		0.23	0.046	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Bis(2-chloroethyl)ether	<0.23		0.23	0.068	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Bis(2-ethylhexyl) phthalate	<0.23		0.23	0.083	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Butyl benzyl phthalate	<0.23		0.23	0.086	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Carbazole	<0.23	*	0.23	0.11	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
<b>Chrysene</b>	<b>0.035</b>	<b>J</b>	0.045	0.012	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Dibenz(a,h)anthracene	<0.045		0.045	0.0088	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Dibenzofuran	<0.23		0.23	0.053	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Diethyl phthalate	<0.23		0.23	0.077	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Dimethyl phthalate	<0.23		0.23	0.059	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Di-n-butyl phthalate	<0.23		0.23	0.069	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Di-n-octyl phthalate	<0.23		0.23	0.074	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Fluoranthene	<0.045		0.045	0.0084	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Fluorene	<0.045		0.045	0.0064	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Hexachlorobenzene	<0.091		0.091	0.011	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Hexachlorobutadiene	<0.23		0.23	0.071	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Hexachlorocyclopentadiene	<0.91		0.91	0.26	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Hexachloroethane	<0.23		0.23	0.069	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-4(4-10)-100119**

**Lab Sample ID: 500-170985-5**

Date Collected: 10/01/19 00:40

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 71.8

**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	<0.045		0.045	0.012	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Isophorone	<0.23		0.23	0.051	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Naphthalene	<0.045		0.045	0.0070	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Nitrobenzene	<0.045		0.045	0.011	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
N-Nitrosodi-n-propylamine	<0.091		0.091	0.055	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
N-Nitrosodiphenylamine	<0.23	*	0.23	0.053	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Pentachlorophenol	<0.91		0.91	0.73	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
<b>Phenanthrene</b>	<b>0.13</b>		0.045	0.0063	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
Phenol	<0.23		0.23	0.10	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
<b>Pyrene</b>	<b>0.030</b>	<b>J</b>	0.045	0.0090	mg/Kg	☼	10/08/19 07:41	10/09/19 01:54	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	80		31 - 143				10/08/19 07:41	10/09/19 01:54	1
<i>2-Fluorobiphenyl</i>	96		43 - 145				10/08/19 07:41	10/09/19 01:54	1
<i>2-Fluorophenol</i>	95		31 - 166				10/08/19 07:41	10/09/19 01:54	1
<i>Nitrobenzene-d5</i>	84		37 - 147				10/08/19 07:41	10/09/19 01:54	1
<i>Phenol-d5</i>	80		30 - 153				10/08/19 07:41	10/09/19 01:54	1
<i>Terphenyl-d14</i>	112		42 - 157				10/08/19 07:41	10/09/19 01:54	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 14:36	10/09/19 19:27	1
<b>Barium</b>	<b>0.40</b>	<b>J</b>	0.50	0.050	mg/L		10/08/19 14:36	10/09/19 19:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 14:36	10/09/19 19:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 14:36	10/09/19 19:27	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:27	1
<b>Cobalt</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:27	1
<b>Copper</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:27	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 14:36	10/09/19 19:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 14:36	10/09/19 19:27	1
<b>Manganese</b>	<b>2.0</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:27	1
<b>Nickel</b>	<b>0.047</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 14:36	10/09/19 19:27	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:27	1
Zinc	<0.50		0.50	0.020	mg/L		10/08/19 14:36	10/09/19 19:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:17	10/08/19 18:18	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:17	10/08/19 18:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:17	10/08/19 18:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:17	10/08/19 18:18	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:18	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:18	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:18	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:17	10/08/19 18:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:17	10/08/19 18:18	1
<b>Manganese</b>	<b>0.052</b>		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:18	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:18	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:17	10/08/19 18:18	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-4(4-10)-100119**

**Lab Sample ID: 500-170985-5**

Date Collected: 10/01/19 00:40

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 71.8

**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 16:17	10/08/19 18:18	1
Zinc	0.023	J	0.50	0.020	mg/L		10/07/19 16:17	10/08/19 18:18	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.36	J	1.3	0.26	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Arsenic	12		0.67	0.23	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Barium	54		0.67	0.077	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Beryllium	0.73		0.27	0.063	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Cadmium	0.037	J B	0.13	0.024	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Calcium	36000	B	13	2.3	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Chromium	18		0.67	0.33	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Cobalt	17		0.34	0.088	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Copper	34	B	0.67	0.19	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Iron	20000	B	13	7.0	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Lead	15		0.34	0.16	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Magnesium	23000	B	6.7	3.3	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Manganese	310		0.67	0.098	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Nickel	44		0.67	0.20	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Potassium	3800		34	12	mg/Kg	☼	10/08/19 16:55	10/10/19 10:58	1
Selenium	0.93		0.67	0.40	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Silver	2.7		0.34	0.087	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Sodium	490		67	10	mg/Kg	☼	10/08/19 16:55	10/10/19 10:58	1
Thallium	1.3		0.67	0.34	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Vanadium	22		0.34	0.079	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1
Zinc	44		1.3	0.59	mg/Kg	☼	10/08/19 16:55	10/10/19 03:34	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 09:28	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.022	0.0073	mg/Kg	☼	10/04/19 14:40	10/07/19 08:41	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/08/19 13:51	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-5(4-10)-100119**

**Lab Sample ID: 500-170985-6**

**Date Collected: 10/01/19 01:00**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 81.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Chloroethane	<0.0043 *		0.0043	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1
Xylenes, Total	<0.0035		0.0035	0.00055	mg/Kg	☼	10/01/19 15:55	10/08/19 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	10/01/19 15:55	10/08/19 13:58	1
4-Bromofluorobenzene (Surr)	97		75 - 131	10/01/19 15:55	10/08/19 13:58	1
Dibromofluoromethane	98		75 - 126	10/01/19 15:55	10/08/19 13:58	1
Toluene-d8 (Surr)	101		75 - 124	10/01/19 15:55	10/08/19 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-5(4-10)-100119**

**Lab Sample ID: 500-170985-6**

Date Collected: 10/01/19 01:00

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
<b>2-Methylnaphthalene</b>	<b>0.024</b>	<b>J</b>	0.079	0.0072	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Carbazole	<0.20	*	0.20	0.098	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
<b>Chrysene</b>	<b>0.022</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-5(4-10)-100119**

**Lab Sample ID: 500-170985-6**

Date Collected: 10/01/19 01:00

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
N-Nitrosodiphenylamine	<0.20	*	0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
<b>Phenanthrene</b>	<b>0.074</b>		0.039	0.0054	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	10/08/19 07:41	10/08/19 21:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	75		31 - 143	10/08/19 07:41	10/08/19 21:39	1
2-Fluorobiphenyl	83		43 - 145	10/08/19 07:41	10/08/19 21:39	1
2-Fluorophenol	86		31 - 166	10/08/19 07:41	10/08/19 21:39	1
Nitrobenzene-d5	75		37 - 147	10/08/19 07:41	10/08/19 21:39	1
Phenol-d5	73		30 - 153	10/08/19 07:41	10/08/19 21:39	1
Terphenyl-d14	94		42 - 157	10/08/19 07:41	10/08/19 21:39	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 14:36	10/09/19 19:32	1
<b>Barium</b>	<b>0.53</b>		0.50	0.050	mg/L		10/08/19 14:36	10/09/19 19:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 14:36	10/09/19 19:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 14:36	10/09/19 19:32	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:32	1
<b>Cobalt</b>	<b>0.016</b>	J	0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:32	1
<b>Copper</b>	<b>0.012</b>	J	0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:32	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 14:36	10/09/19 19:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 14:36	10/09/19 19:32	1
<b>Manganese</b>	<b>2.2</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:32	1
<b>Nickel</b>	<b>0.040</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 14:36	10/09/19 19:32	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:32	1
<b>Zinc</b>	<b>0.020</b>	J	0.50	0.020	mg/L		10/08/19 14:36	10/09/19 19:32	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 16:17	10/08/19 18:22	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:17	10/08/19 18:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:17	10/08/19 18:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:17	10/08/19 18:22	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:22	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:22	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:22	1
<b>Iron</b>	<b>0.59</b>		0.40	0.20	mg/L		10/07/19 16:17	10/08/19 18:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:17	10/08/19 18:22	1
<b>Manganese</b>	<b>0.048</b>		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:22	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:22	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:17	10/08/19 18:22	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-5(4-10)-100119**

**Lab Sample ID: 500-170985-6**

Date Collected: 10/01/19 01:00

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 81.5

**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 16:17	10/08/19 18:22	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:17	10/08/19 18:22	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.54	J	1.2	0.23	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Arsenic	12		0.60	0.21	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Barium	31		0.60	0.068	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Beryllium	0.59		0.24	0.056	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Cadmium	0.20	B	0.12	0.022	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Calcium	56000	B	120	20	mg/Kg	☼	10/08/19 16:55	10/10/19 12:47	10
Chromium	15		0.60	0.30	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Cobalt	14		0.30	0.079	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Copper	41	B	0.60	0.17	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Iron	20000	B	12	6.2	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Lead	17		0.30	0.14	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Magnesium	24000	B	6.0	3.0	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Manganese	350		0.60	0.087	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Nickel	37		0.60	0.17	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Potassium	3300		30	11	mg/Kg	☼	10/08/19 16:55	10/10/19 11:02	1
Selenium	1.0		0.60	0.35	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Silver	2.1		0.30	0.077	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Sodium	490		60	8.9	mg/Kg	☼	10/08/19 16:55	10/10/19 11:02	1
Thallium	1.3		0.60	0.30	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Vanadium	18		0.30	0.071	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1
Zinc	58		1.2	0.53	mg/Kg	☼	10/08/19 16:55	10/10/19 03:38	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 08:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 09:30	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.020	0.0065	mg/Kg	☼	10/04/19 14:40	10/07/19 08:43	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/08/19 13:45	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-6(4-10)-100119**

**Lab Sample ID: 500-170985-7**

**Date Collected: 10/01/19 01:10**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**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	<0.0016		0.0016	0.00054	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
1,2-Dichloroethane	<0.0040		0.0040	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
2-Hexanone	<0.0040		0.0040	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Acetone	<0.016		0.016	0.0070	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Carbon disulfide	<0.0040		0.0040	0.00084	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Chloroethane	<0.0040 *		0.0040	0.0012	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	10/01/19 15:55	10/08/19 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	10/01/19 15:55	10/08/19 14:24	1
4-Bromofluorobenzene (Surr)	95		75 - 131	10/01/19 15:55	10/08/19 14:24	1
Dibromofluoromethane	99		75 - 126	10/01/19 15:55	10/08/19 14:24	1
Toluene-d8 (Surr)	97		75 - 124	10/01/19 15:55	10/08/19 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-6(4-10)-100119**

**Lab Sample ID: 500-170985-7**

Date Collected: 10/01/19 01:10

Matrix: Solid

Date Received: 10/01/19 15:15

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	<0.38		0.38	0.088	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
<b>2-Methylnaphthalene</b>	<b>0.014</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Acenaphthene	<0.038		0.038	0.0070	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
<b>Benzo[a]anthracene</b>	<b>0.0079</b>	<b>J</b>	0.038	0.0052	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Benzo[a]pyrene	<0.038		0.038	0.0075	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Benzo[b]fluoranthene	<0.038		0.038	0.0084	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Carbazole	<0.19	*	0.19	0.097	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
<b>Chrysene</b>	<b>0.012</b>	<b>J</b>	0.038	0.011	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-6(4-10)-100119**

**Lab Sample ID: 500-170985-7**

**Date Collected: 10/01/19 01:10**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**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	<0.038		0.038	0.010	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Naphthalene	<0.038		0.038	0.0060	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Nitrobenzene	<0.038		0.038	0.0097	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
N-Nitrosodiphenylamine	<0.19 *		0.19	0.046	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
<b>Phenanthrene</b>	<b>0.055</b>		0.038	0.0054	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	☼	10/08/19 07:41	10/08/19 22:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		31 - 143				10/08/19 07:41	10/08/19 22:07	1
2-Fluorobiphenyl	61		43 - 145				10/08/19 07:41	10/08/19 22:07	1
2-Fluorophenol	73		31 - 166				10/08/19 07:41	10/08/19 22:07	1
Nitrobenzene-d5	54		37 - 147				10/08/19 07:41	10/08/19 22:07	1
Phenol-d5	58		30 - 153				10/08/19 07:41	10/08/19 22:07	1
Terphenyl-d14	67		42 - 157				10/08/19 07:41	10/08/19 22:07	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 14:36	10/09/19 19:36	1
<b>Barium</b>	<b>0.48</b>	<b>J</b>	0.50	0.050	mg/L		10/08/19 14:36	10/09/19 19:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 14:36	10/09/19 19:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 14:36	10/09/19 19:36	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:36	1
<b>Cobalt</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:36	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:36	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 14:36	10/09/19 19:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 14:36	10/09/19 19:36	1
<b>Manganese</b>	<b>1.4</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:36	1
<b>Nickel</b>	<b>0.034</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:36	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 14:36	10/09/19 19:36	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:36	1
<b>Zinc</b>	<b>0.027</b>	<b>J</b>	0.50	0.020	mg/L		10/08/19 14:36	10/09/19 19:36	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 16:17	10/08/19 18:26	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:17	10/08/19 18:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:17	10/08/19 18:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:17	10/08/19 18:26	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:26	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:26	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:26	1
<b>Iron</b>	<b>0.64</b>		0.40	0.20	mg/L		10/07/19 16:17	10/08/19 18:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:17	10/08/19 18:26	1
<b>Manganese</b>	<b>0.022</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:26	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:26	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:17	10/08/19 18:26	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-6(4-10)-100119**

**Lab Sample ID: 500-170985-7**

Date Collected: 10/01/19 01:10

Matrix: Solid

Date Received: 10/01/19 15:15

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 16:17	10/08/19 18:26	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:17	10/08/19 18:26	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.53	J	1.1	0.21	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Arsenic	7.4		0.55	0.19	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Barium	31		0.55	0.063	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Beryllium	0.52		0.22	0.051	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Cadmium	0.059	J B	0.11	0.020	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Calcium	71000	B	110	19	mg/Kg	☼	10/08/19 16:55	10/10/19 12:51	10
Chromium	13		0.55	0.27	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Cobalt	9.7		0.28	0.072	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Copper	38	B	0.55	0.15	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Iron	14000	B	11	5.7	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Lead	11		0.28	0.13	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Magnesium	30000	B	5.5	2.7	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Manganese	310		0.55	0.080	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Nickel	26		0.55	0.16	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Potassium	2800		28	9.8	mg/Kg	☼	10/08/19 16:55	10/10/19 11:06	1
Selenium	0.72		0.55	0.32	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Silver	1.8		0.28	0.071	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Sodium	520		55	8.2	mg/Kg	☼	10/08/19 16:55	10/10/19 11:06	1
Thallium	0.88		0.55	0.28	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Vanadium	16		0.28	0.065	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1
Zinc	41		1.1	0.48	mg/Kg	☼	10/08/19 16:55	10/10/19 03:43	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 08:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 09:31	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.019	0.0062	mg/Kg	☼	10/04/19 14:40	10/07/19 08:45	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/08/19 13:54	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-7(5-10)-100119**

**Lab Sample ID: 500-170985-8**

**Date Collected: 10/01/19 01:25**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 81.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Acetone	<0.017		0.017	0.0076	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Benzene	<0.0017		0.0017	0.00045	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Bromodichloromethane	<0.0017		0.0017	0.00036	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Carbon tetrachloride	<0.0017		0.0017	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Chlorobenzene	<0.0017		0.0017	0.00065	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Chloroethane	<0.0044 *		0.0044	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Chloroform	<0.0017		0.0017	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Ethylbenzene	<0.0017		0.0017	0.00084	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Styrene	<0.0017		0.0017	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Tetrachloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	10/01/19 15:55	10/08/19 14:49	1
4-Bromofluorobenzene (Surr)	91		75 - 131	10/01/19 15:55	10/08/19 14:49	1
Dibromofluoromethane	96		75 - 126	10/01/19 15:55	10/08/19 14:49	1
Toluene-d8 (Surr)	98		75 - 124	10/01/19 15:55	10/08/19 14:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-7(5-10)-100119**

**Lab Sample ID: 500-170985-8**

Date Collected: 10/01/19 01:25

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
<b>2-Methylnaphthalene</b>	<b>0.0079</b>	<b>J</b>	0.079	0.0072	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
<b>Benzo[a]anthracene</b>	<b>0.014</b>	<b>J</b>	0.039	0.0053	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Carbazole	<0.20	*	0.20	0.098	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-7(5-10)-100119**

**Lab Sample ID: 500-170985-8**

Date Collected: 10/01/19 01:25

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
N-Nitrosodiphenylamine	<0.20	*	0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
<b>Phenanthrene</b>	<b>0.053</b>		0.039	0.0054	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	10/08/19 07:41	10/08/19 22:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	66		31 - 143	10/08/19 07:41	10/08/19 22:36	1
2-Fluorobiphenyl	68		43 - 145	10/08/19 07:41	10/08/19 22:36	1
2-Fluorophenol	80		31 - 166	10/08/19 07:41	10/08/19 22:36	1
Nitrobenzene-d5	60		37 - 147	10/08/19 07:41	10/08/19 22:36	1
Phenol-d5	66		30 - 153	10/08/19 07:41	10/08/19 22:36	1
Terphenyl-d14	74		42 - 157	10/08/19 07:41	10/08/19 22:36	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		10/08/19 14:36	10/09/19 19:40	1
<b>Barium</b>	<b>0.45</b>	<b>J</b>	0.50	0.050	mg/L		10/08/19 14:36	10/09/19 19:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 14:36	10/09/19 19:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 14:36	10/09/19 19:40	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:40	1
Cobalt	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:40	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:40	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 14:36	10/09/19 19:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 14:36	10/09/19 19:40	1
<b>Manganese</b>	<b>1.4</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:40	1
<b>Nickel</b>	<b>0.029</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:40	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 14:36	10/09/19 19:40	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:40	1
<b>Zinc</b>	<b>0.023</b>	<b>J</b>	0.50	0.020	mg/L		10/08/19 14:36	10/09/19 19:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:17	10/08/19 18:39	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:17	10/08/19 18:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:17	10/08/19 18:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:17	10/08/19 18:39	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:39	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:39	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:39	1
Iron	<0.40		0.40	0.20	mg/L		10/07/19 16:17	10/08/19 18:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:17	10/08/19 18:39	1
<b>Manganese</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:39	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:39	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:17	10/08/19 18:39	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-7(5-10)-100119**

**Lab Sample ID: 500-170985-8**

Date Collected: 10/01/19 01:25

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:39	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:17	10/08/19 18:39	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.47	J	1.2	0.23	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Arsenic	4.3		0.58	0.20	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Barium	27		0.58	0.067	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Beryllium	0.41		0.23	0.055	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Cadmium	0.024	J B	0.12	0.021	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Calcium	90000	B	120	20	mg/Kg	☼	10/08/19 16:55	10/10/19 12:55	10
Chromium	12		0.58	0.29	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Cobalt	6.5		0.29	0.076	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Copper	15	B	0.58	0.16	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Iron	11000	B	12	6.1	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Lead	6.2		0.29	0.13	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Magnesium	33000	B	5.8	2.9	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Manganese	230		0.58	0.085	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Nickel	17		0.58	0.17	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Potassium	2700		29	10	mg/Kg	☼	10/08/19 16:55	10/10/19 11:10	1
Selenium	0.66		0.58	0.34	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Silver	1.7		0.29	0.075	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Sodium	280		58	8.6	mg/Kg	☼	10/08/19 16:55	10/10/19 11:10	1
Thallium	0.48	J	0.58	0.29	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Vanadium	15		0.29	0.069	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1
Zinc	25		1.2	0.51	mg/Kg	☼	10/08/19 16:55	10/10/19 03:47	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 08:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 09:33	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.020	0.0067	mg/Kg	☼	10/04/19 14:40	10/07/19 08:47	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/08/19 14:01	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-8(5-10)-100119**

**Lab Sample ID: 500-170985-9**

Date Collected: 10/01/19 01:45

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Acetone	<0.017		0.017	0.0072	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Bromoform	<0.0017		0.0017	0.00048	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Bromomethane	<0.0041		0.0041	0.0016	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Carbon disulfide	<0.0041		0.0041	0.00086	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Chloroethane	<0.0041 *		0.0041	0.0012	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Chloroform	<0.0017		0.0017	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Chloromethane	<0.0041		0.0041	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00046	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Ethylbenzene	<0.0017		0.0017	0.00079	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00048	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Tetrachloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00073	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Vinyl chloride	<0.0017		0.0017	0.00073	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	10/01/19 15:55	10/08/19 15:15	1
4-Bromofluorobenzene (Surr)	104		75 - 131	10/01/19 15:55	10/08/19 15:15	1
Dibromofluoromethane	98		75 - 126	10/01/19 15:55	10/08/19 15:15	1
Toluene-d8 (Surr)	100		75 - 124	10/01/19 15:55	10/08/19 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-8(5-10)-100119**

**Lab Sample ID: 500-170985-9**

**Date Collected: 10/01/19 01:45**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 83.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Carbazole	<0.19	*	0.19	0.095	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-8(5-10)-100119**

**Lab Sample ID: 500-170985-9**

Date Collected: 10/01/19 01:45

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 83.7

**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	<0.038		0.038	0.0099	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
N-Nitrosodiphenylamine	<0.19 *		0.19	0.045	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
<b>Phenanthrene</b>	<b>0.063</b>		0.038	0.0053	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	10/08/19 07:41	10/09/19 02:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		31 - 143				10/08/19 07:41	10/09/19 02:22	1
2-Fluorobiphenyl	86		43 - 145				10/08/19 07:41	10/09/19 02:22	1
2-Fluorophenol	92		31 - 166				10/08/19 07:41	10/09/19 02:22	1
Nitrobenzene-d5	77		37 - 147				10/08/19 07:41	10/09/19 02:22	1
Phenol-d5	80		30 - 153				10/08/19 07:41	10/09/19 02:22	1
Terphenyl-d14	100		42 - 157				10/08/19 07:41	10/09/19 02:22	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 14:36	10/09/19 19:44	1
<b>Barium</b>	<b>0.60</b>		0.50	0.050	mg/L		10/08/19 14:36	10/09/19 19:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 14:36	10/09/19 19:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 14:36	10/09/19 19:44	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:44	1
<b>Cobalt</b>	<b>0.013 J</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:44	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:44	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 14:36	10/09/19 19:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 14:36	10/09/19 19:44	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:44	1
<b>Nickel</b>	<b>0.036</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:44	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 14:36	10/09/19 19:44	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 19:44	1
Zinc	<0.50		0.50	0.020	mg/L		10/08/19 14:36	10/09/19 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		10/07/19 16:17	10/08/19 18:43	1
<b>Barium</b>	<b>0.056 J</b>		0.50	0.050	mg/L		10/07/19 16:17	10/08/19 18:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:17	10/08/19 18:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:17	10/08/19 18:43	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:43	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:43	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:43	1
<b>Iron</b>	<b>1.6</b>		0.40	0.20	mg/L		10/07/19 16:17	10/08/19 18:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:17	10/08/19 18:43	1
<b>Manganese</b>	<b>0.025</b>		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:43	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:43	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:17	10/08/19 18:43	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-8(5-10)-100119**

**Lab Sample ID: 500-170985-9**

Date Collected: 10/01/19 01:45

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 83.7

**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 16:17	10/08/19 18:43	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:17	10/08/19 18:43	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.35	J	1.1	0.21	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Arsenic	7.8		0.55	0.19	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Barium	36		0.55	0.063	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Beryllium	0.55		0.22	0.052	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Cadmium	0.023	J B	0.11	0.020	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Calcium	72000	B	110	19	mg/Kg	☼	10/08/19 16:55	10/10/19 12:59	10
Chromium	16		0.55	0.27	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Cobalt	12		0.28	0.072	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Copper	30	B	0.55	0.15	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Iron	16000	B	11	5.7	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Lead	13		0.28	0.13	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Magnesium	26000	B	5.5	2.7	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Manganese	310		0.55	0.080	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Nickel	31		0.55	0.16	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Potassium	3400		28	9.8	mg/Kg	☼	10/08/19 16:55	10/10/19 11:14	1
Selenium	0.69		0.55	0.32	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Silver	2.1		0.28	0.071	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Sodium	1700		55	8.2	mg/Kg	☼	10/08/19 16:55	10/10/19 11:14	1
Thallium	0.89		0.55	0.28	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Vanadium	18		0.28	0.065	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1
Zinc	39		1.1	0.49	mg/Kg	☼	10/08/19 16:55	10/10/19 03:51	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 08:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 09:35	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	J	0.018	0.0059	mg/Kg	☼	10/04/19 14:40	10/07/19 08:49	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/08/19 14:04	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-11(4-7)-100119**

**Lab Sample ID: 500-170985-12**

**Date Collected: 10/01/19 00:05**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 74.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0024		0.0024	0.00081	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
1,1,2,2-Tetrachloroethane	<0.0024		0.0024	0.00077	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
1,1,2-Trichloroethane	<0.0024		0.0024	0.0010	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
1,1-Dichloroethane	<0.0024		0.0024	0.00083	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
1,1-Dichloroethene	<0.0024		0.0024	0.00083	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
1,2-Dichloroethane	<0.0060		0.0060	0.0019	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
1,2-Dichloropropane	<0.0024		0.0024	0.00063	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
1,3-Dichloropropene, Total	<0.0024		0.0024	0.00085	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
2-Hexanone	<0.0060		0.0060	0.0019	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Acetone	<0.024		0.024	0.011	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Benzene	<0.0024		0.0024	0.00062	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Bromodichloromethane	<0.0024		0.0024	0.00049	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Bromoform	<0.0024		0.0024	0.00071	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Bromomethane	<0.0060		0.0060	0.0023	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Carbon disulfide	<0.0060		0.0060	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Carbon tetrachloride	<0.0024		0.0024	0.00070	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Chlorobenzene	<0.0024		0.0024	0.00089	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Chloroethane	<0.0060 *		0.0060	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Chloroform	<0.0024		0.0024	0.00084	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Chloromethane	<0.0060		0.0060	0.0024	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
cis-1,2-Dichloroethene	<0.0024		0.0024	0.00068	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
cis-1,3-Dichloropropene	<0.0024		0.0024	0.00073	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Dibromochloromethane	<0.0024		0.0024	0.00079	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Ethylbenzene	<0.0024		0.0024	0.0012	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Methyl Ethyl Ketone	<0.0060		0.0060	0.0027	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
methyl isobutyl ketone	<0.0060		0.0060	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Methyl tert-butyl ether	<0.0024		0.0024	0.00071	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Methylene Chloride	<0.0060		0.0060	0.0024	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Styrene	<0.0024		0.0024	0.00073	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Tetrachloroethene	<0.0024		0.0024	0.00082	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Toluene	<0.0024		0.0024	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
trans-1,2-Dichloroethene	<0.0024		0.0024	0.0011	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
trans-1,3-Dichloropropene	<0.0024		0.0024	0.00085	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Trichloroethene	<0.0024		0.0024	0.00082	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Vinyl chloride	<0.0024		0.0024	0.0011	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1
Xylenes, Total	<0.0048		0.0048	0.00077	mg/Kg	☼	10/01/19 15:55	10/08/19 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	10/01/19 15:55	10/08/19 16:32	1
4-Bromofluorobenzene (Surr)	93		75 - 131	10/01/19 15:55	10/08/19 16:32	1
Dibromofluoromethane	98		75 - 126	10/01/19 15:55	10/08/19 16:32	1
Toluene-d8 (Surr)	97		75 - 124	10/01/19 15:55	10/08/19 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.22		0.22	0.047	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
1,2-Dichlorobenzene	<0.22		0.22	0.053	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
1,3-Dichlorobenzene	<0.22		0.22	0.049	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
1,4-Dichlorobenzene	<0.22		0.22	0.056	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
2,2'-oxybis[1-chloropropane]	<0.22		0.22	0.051	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-11(4-7)-100119**

**Lab Sample ID: 500-170985-12**

Date Collected: 10/01/19 00:05

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 74.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.44		0.44	0.10	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
2,4,6-Trichlorophenol	<0.44		0.44	0.15	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
2,4-Dichlorophenol	<0.44		0.44	0.10	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
2,4-Dimethylphenol	<0.44		0.44	0.17	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
2,4-Dinitrophenol	<0.89		0.89	0.77	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
2,4-Dinitrotoluene	<0.22		0.22	0.070	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
2,6-Dinitrotoluene	<0.22		0.22	0.086	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
2-Chloronaphthalene	<0.22		0.22	0.049	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
2-Chlorophenol	<0.22		0.22	0.075	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
<b>2-Methylnaphthalene</b>	<b>0.020</b>	<b>J</b>	0.089	0.0081	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
2-Methylphenol	<0.22		0.22	0.070	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
2-Nitroaniline	<0.22		0.22	0.059	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
2-Nitrophenol	<0.44		0.44	0.10	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
3 & 4 Methylphenol	<0.22		0.22	0.073	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
3,3'-Dichlorobenzidine	<0.22		0.22	0.062	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
3-Nitroaniline	<0.44		0.44	0.14	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
4,6-Dinitro-2-methylphenol	<0.89		0.89	0.35	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
4-Bromophenyl phenyl ether	<0.22		0.22	0.058	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
4-Chloro-3-methylphenol	<0.44		0.44	0.15	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
4-Chloroaniline	<0.89		0.89	0.21	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
4-Chlorophenyl phenyl ether	<0.22		0.22	0.051	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
4-Nitroaniline	<0.44		0.44	0.18	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
4-Nitrophenol	<0.89		0.89	0.42	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Acenaphthene	<0.044		0.044	0.0079	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Acenaphthylene	<0.044		0.044	0.0058	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Anthracene	<0.044		0.044	0.0073	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Benzo[a]anthracene	<0.044		0.044	0.0059	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Benzo[a]pyrene	<0.044		0.044	0.0085	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
<b>Benzo[b]fluoranthene</b>	<b>0.013</b>	<b>J</b>	0.044	0.0095	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Benzo[g,h,i]perylene	<0.044		0.044	0.014	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Benzo[k]fluoranthene	<0.044		0.044	0.013	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Bis(2-chloroethoxy)methane	<0.22		0.22	0.045	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Bis(2-chloroethyl)ether	<0.22		0.22	0.066	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Bis(2-ethylhexyl) phthalate	<0.22		0.22	0.080	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Butyl benzyl phthalate	<0.22		0.22	0.084	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Carbazole	<0.22	*	0.22	0.11	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
<b>Chrysene</b>	<b>0.019</b>	<b>J</b>	0.044	0.012	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Dibenz(a,h)anthracene	<0.044		0.044	0.0085	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Dibenzofuran	<0.22		0.22	0.051	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Diethyl phthalate	<0.22		0.22	0.074	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Dimethyl phthalate	<0.22		0.22	0.057	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Di-n-butyl phthalate	<0.22		0.22	0.067	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Di-n-octyl phthalate	<0.22		0.22	0.072	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Fluoranthene	<0.044		0.044	0.0081	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Fluorene	<0.044		0.044	0.0062	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Hexachlorobenzene	<0.089		0.089	0.010	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Hexachlorobutadiene	<0.22		0.22	0.069	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Hexachlorocyclopentadiene	<0.89		0.89	0.25	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Hexachloroethane	<0.22		0.22	0.067	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-11(4-7)-100119**

**Lab Sample ID: 500-170985-12**

Date Collected: 10/01/19 00:05

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 74.2

**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	<0.044		0.044	0.011	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Isophorone	<0.22		0.22	0.049	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Naphthalene	<0.044		0.044	0.0068	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Nitrobenzene	<0.044		0.044	0.011	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
N-Nitrosodi-n-propylamine	<0.089		0.089	0.054	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
N-Nitrosodiphenylamine	<0.22	*	0.22	0.052	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Pentachlorophenol	<0.89		0.89	0.70	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
<b>Phenanthrene</b>	<b>0.092</b>		0.044	0.0061	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Phenol	<0.22		0.22	0.098	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1
Pyrene	<0.044		0.044	0.0087	mg/Kg	☼	10/08/19 07:41	10/09/19 03:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	58		31 - 143	10/08/19 07:41	10/09/19 03:19	1
2-Fluorobiphenyl	76		43 - 145	10/08/19 07:41	10/09/19 03:19	1
2-Fluorophenol	82		31 - 166	10/08/19 07:41	10/09/19 03:19	1
Nitrobenzene-d5	66		37 - 147	10/08/19 07:41	10/09/19 03:19	1
Phenol-d5	67		30 - 153	10/08/19 07:41	10/09/19 03:19	1
Terphenyl-d14	91		42 - 157	10/08/19 07:41	10/09/19 03:19	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		10/08/19 14:36	10/09/19 20:05	1
<b>Barium</b>	<b>0.48</b>	<b>J</b>	0.50	0.050	mg/L		10/08/19 14:36	10/09/19 20:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 14:36	10/09/19 20:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 14:36	10/09/19 20:05	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:05	1
<b>Cobalt</b>	<b>0.026</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:05	1
<b>Copper</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:05	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 14:36	10/09/19 20:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 14:36	10/09/19 20:05	1
<b>Manganese</b>	<b>2.3</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:05	1
<b>Nickel</b>	<b>0.057</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:05	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 14:36	10/09/19 20:05	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:05	1
<b>Zinc</b>	<b>0.027</b>	<b>J</b>	0.50	0.020	mg/L		10/08/19 14:36	10/09/19 20:05	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 16:17	10/08/19 18:55	1
<b>Barium</b>	<b>0.16</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:17	10/08/19 18:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:17	10/08/19 18:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:17	10/08/19 18:55	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:55	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:55	1
<b>Copper</b>	<b>0.022</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:55	1
<b>Iron</b>	<b>0.98</b>		0.40	0.20	mg/L		10/07/19 16:17	10/08/19 18:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:17	10/08/19 18:55	1
<b>Manganese</b>	<b>0.055</b>		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:55	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 18:55	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:17	10/08/19 18:55	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-11(4-7)-100119**

**Lab Sample ID: 500-170985-12**

Date Collected: 10/01/19 00:05

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 74.2

**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 16:17	10/08/19 18:55	1
Zinc	0.17	J	0.50	0.020	mg/L		10/07/19 16:17	10/08/19 18:55	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.60	J	1.2	0.24	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Arsenic	6.4		0.62	0.21	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Barium	46		0.62	0.071	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Beryllium	0.85		0.25	0.058	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Cadmium	<0.12		0.12	0.022	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Calcium	20000	B	12	2.1	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Chromium	20		0.62	0.31	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Cobalt	15		0.31	0.081	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Copper	32	B	0.62	0.17	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Iron	19000	B	12	6.4	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Lead	14		0.31	0.14	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Magnesium	14000	B	6.2	3.1	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Manganese	240		0.62	0.090	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Nickel	43		0.62	0.18	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Potassium	4300		31	11	mg/Kg	☼	10/08/19 16:55	10/10/19 11:26	1
Selenium	0.81		0.62	0.36	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Silver	2.8		0.31	0.080	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Sodium	1100		62	9.2	mg/Kg	☼	10/08/19 16:55	10/10/19 11:26	1
Thallium	1.2		0.62	0.31	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Vanadium	23		0.31	0.073	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1
Zinc	46		1.2	0.54	mg/Kg	☼	10/08/19 16:55	10/10/19 04:11	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 09:51	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.020	0.0066	mg/Kg	☼	10/04/19 14:40	10/07/19 09:06	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/08/19 13:58	1



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-12(4-10)-100119**

**Lab Sample ID: 500-170985-13**

**Date Collected: 10/01/19 00:30**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 72.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0023		0.0023	0.00078	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
1,1,2,2-Tetrachloroethane	<0.0023		0.0023	0.00074	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
1,1,2-Trichloroethane	<0.0023		0.0023	0.00099	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
1,1-Dichloroethane	<0.0023		0.0023	0.00079	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
1,1-Dichloroethene	<0.0023		0.0023	0.00079	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
1,2-Dichloroethane	<0.0058		0.0058	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
1,2-Dichloropropane	<0.0023		0.0023	0.00060	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
1,3-Dichloropropene, Total	<0.0023		0.0023	0.00081	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
2-Hexanone	<0.0058		0.0058	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Acetone	<0.023		0.023	0.010	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Benzene	<0.0023		0.0023	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Bromodichloromethane	<0.0023		0.0023	0.00047	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Bromoform	<0.0023		0.0023	0.00067	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Bromomethane	<0.0058		0.0058	0.0022	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Carbon disulfide	<0.0058		0.0058	0.0012	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Carbon tetrachloride	<0.0023		0.0023	0.00067	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Chlorobenzene	<0.0023		0.0023	0.00085	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Chloroethane	<0.0058 *		0.0058	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Chloroform	<0.0023		0.0023	0.00080	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Chloromethane	<0.0058		0.0058	0.0023	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
cis-1,2-Dichloroethene	<0.0023		0.0023	0.00065	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
cis-1,3-Dichloropropene	<0.0023		0.0023	0.00070	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Dibromochloromethane	<0.0023		0.0023	0.00076	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Ethylbenzene	<0.0023		0.0023	0.0011	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Methyl Ethyl Ketone	<0.0058		0.0058	0.0026	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
methyl isobutyl ketone	<0.0058		0.0058	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Methyl tert-butyl ether	<0.0023		0.0023	0.00068	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Methylene Chloride	<0.0058		0.0058	0.0023	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Styrene	<0.0023		0.0023	0.00070	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Tetrachloroethene	<0.0023		0.0023	0.00079	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Toluene	<0.0023		0.0023	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
trans-1,2-Dichloroethene	<0.0023		0.0023	0.0010	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
trans-1,3-Dichloropropene	<0.0023		0.0023	0.00081	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Trichloroethene	<0.0023		0.0023	0.00078	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Vinyl chloride	<0.0023		0.0023	0.0010	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1
Xylenes, Total	<0.0046		0.0046	0.00074	mg/Kg	☼	10/01/19 15:55	10/08/19 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	10/01/19 15:55	10/08/19 16:57	1
4-Bromofluorobenzene (Surr)	95		75 - 131	10/01/19 15:55	10/08/19 16:57	1
Dibromofluoromethane	96		75 - 126	10/01/19 15:55	10/08/19 16:57	1
Toluene-d8 (Surr)	97		75 - 124	10/01/19 15:55	10/08/19 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.22		0.22	0.047	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
1,2-Dichlorobenzene	<0.22		0.22	0.053	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
1,3-Dichlorobenzene	<0.22		0.22	0.050	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
1,4-Dichlorobenzene	<0.22		0.22	0.056	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
2,2'-oxybis[1-chloropropane]	<0.22		0.22	0.051	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-12(4-10)-100119**

**Lab Sample ID: 500-170985-13**

Date Collected: 10/01/19 00:30

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 72.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.44		0.44	0.10	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
2,4,6-Trichlorophenol	<0.44		0.44	0.15	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
2,4-Dichlorophenol	<0.44		0.44	0.10	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
2,4-Dimethylphenol	<0.44		0.44	0.17	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
2,4-Dinitrophenol	<0.89		0.89	0.78	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
2,4-Dinitrotoluene	<0.22		0.22	0.070	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
2,6-Dinitrotoluene	<0.22		0.22	0.087	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
2-Chloronaphthalene	<0.22		0.22	0.049	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
2-Chlorophenol	<0.22		0.22	0.075	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
<b>2-Methylnaphthalene</b>	<b>0.047</b>	<b>J</b>	0.089	0.0081	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
2-Methylphenol	<0.22		0.22	0.071	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
2-Nitroaniline	<0.22		0.22	0.059	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
2-Nitrophenol	<0.44		0.44	0.10	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
3 & 4 Methylphenol	<0.22		0.22	0.073	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
3,3'-Dichlorobenzidine	<0.22		0.22	0.062	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
3-Nitroaniline	<0.44		0.44	0.14	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
4,6-Dinitro-2-methylphenol	<0.89		0.89	0.35	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
4-Bromophenyl phenyl ether	<0.22		0.22	0.058	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
4-Chloro-3-methylphenol	<0.44		0.44	0.15	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
4-Chloroaniline	<0.89		0.89	0.21	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
4-Chlorophenyl phenyl ether	<0.22		0.22	0.051	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
4-Nitroaniline	<0.44		0.44	0.18	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
4-Nitrophenol	<0.89		0.89	0.42	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Acenaphthene	<0.044		0.044	0.0079	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Acenaphthylene	<0.044		0.044	0.0058	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Anthracene	<0.044		0.044	0.0074	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Benzo[a]anthracene	<0.044		0.044	0.0059	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Benzo[a]pyrene	<0.044		0.044	0.0085	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Benzo[b]fluoranthene	<0.044		0.044	0.0095	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Benzo[g,h,i]perylene	<0.044		0.044	0.014	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Benzo[k]fluoranthene	<0.044		0.044	0.013	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Bis(2-chloroethoxy)methane	<0.22		0.22	0.045	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Bis(2-chloroethyl)ether	<0.22		0.22	0.066	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Bis(2-ethylhexyl) phthalate	<0.22		0.22	0.080	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Butyl benzyl phthalate	<0.22		0.22	0.084	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Carbazole	<0.22	*	0.22	0.11	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
<b>Chrysene</b>	<b>0.038</b>	<b>J</b>	0.044	0.012	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Dibenz(a,h)anthracene	<0.044		0.044	0.0085	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Dibenzofuran	<0.22		0.22	0.052	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Diethyl phthalate	<0.22		0.22	0.075	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Dimethyl phthalate	<0.22		0.22	0.058	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Di-n-butyl phthalate	<0.22		0.22	0.067	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Di-n-octyl phthalate	<0.22		0.22	0.072	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Fluoranthene	<0.044		0.044	0.0082	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Fluorene	<0.044		0.044	0.0062	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Hexachlorobenzene	<0.089		0.089	0.010	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Hexachlorobutadiene	<0.22		0.22	0.069	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Hexachlorocyclopentadiene	<0.89		0.89	0.25	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Hexachloroethane	<0.22		0.22	0.067	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-12(4-10)-100119**

**Lab Sample ID: 500-170985-13**

Date Collected: 10/01/19 00:30

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 72.7

**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	<0.044		0.044	0.011	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Isophorone	<0.22		0.22	0.049	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Naphthalene	<0.044		0.044	0.0068	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Nitrobenzene	<0.044		0.044	0.011	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
N-Nitrosodi-n-propylamine	<0.089		0.089	0.054	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
N-Nitrosodiphenylamine	<0.22	*	0.22	0.052	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Pentachlorophenol	<0.89		0.89	0.71	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
<b>Phenanthrene</b>	<b>0.17</b>		0.044	0.0061	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
Phenol	<0.22		0.22	0.098	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1
<b>Pyrene</b>	<b>0.041</b>	<b>J</b>	0.044	0.0088	mg/Kg	☼	10/08/19 07:41	10/09/19 03:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	72		31 - 143	10/08/19 07:41	10/09/19 03:48	1
2-Fluorobiphenyl	73		43 - 145	10/08/19 07:41	10/09/19 03:48	1
2-Fluorophenol	77		31 - 166	10/08/19 07:41	10/09/19 03:48	1
Nitrobenzene-d5	59		37 - 147	10/08/19 07:41	10/09/19 03:48	1
Phenol-d5	69		30 - 153	10/08/19 07:41	10/09/19 03:48	1
Terphenyl-d14	121		42 - 157	10/08/19 07:41	10/09/19 03:48	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 14:36	10/09/19 20:09	1
<b>Barium</b>	<b>0.57</b>		0.50	0.050	mg/L		10/08/19 14:36	10/09/19 20:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 14:36	10/09/19 20:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 14:36	10/09/19 20:09	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:09	1
<b>Cobalt</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:09	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:09	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 14:36	10/09/19 20:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 14:36	10/09/19 20:09	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:09	1
<b>Nickel</b>	<b>0.052</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:09	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 14:36	10/09/19 20:09	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:09	1
Zinc	<0.50		0.50	0.020	mg/L		10/08/19 14:36	10/09/19 20:09	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 16:17	10/08/19 19:00	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:17	10/08/19 19:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:17	10/08/19 19:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:17	10/08/19 19:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:00	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:00	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:00	1
<b>Iron</b>	<b>0.36</b>	<b>J</b>	0.40	0.20	mg/L		10/07/19 16:17	10/08/19 19:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:17	10/08/19 19:00	1
<b>Manganese</b>	<b>0.031</b>		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:00	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:17	10/08/19 19:00	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-12(4-10)-100119**

**Lab Sample ID: 500-170985-13**

Date Collected: 10/01/19 00:30

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 72.7

**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 16:17	10/08/19 19:00	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:17	10/08/19 19:00	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.39	J	1.3	0.26	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Arsenic	7.5		0.67	0.23	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Barium	44		0.67	0.077	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Beryllium	0.80		0.27	0.063	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Cadmium	<0.13		0.13	0.024	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Calcium	27000	B	13	2.3	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Chromium	21		0.67	0.33	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Cobalt	16		0.34	0.088	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Copper	36	B	0.67	0.19	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Iron	20000	B	13	7.0	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Lead	15		0.34	0.16	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Magnesium	18000	B	6.7	3.3	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Manganese	260		0.67	0.098	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Nickel	44		0.67	0.20	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Potassium	4500		34	12	mg/Kg	☼	10/08/19 16:55	10/10/19 11:30	1
Selenium	0.85		0.67	0.40	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Silver	2.9		0.34	0.087	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Sodium	1200		67	10	mg/Kg	☼	10/08/19 16:55	10/10/19 11:30	1
Thallium	1.3		0.67	0.34	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Vanadium	24		0.34	0.080	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1
Zinc	47		1.3	0.59	mg/Kg	☼	10/08/19 16:55	10/10/19 04:15	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 09:53	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.022	0.0073	mg/Kg	☼	10/04/19 14:40	10/07/19 09:08	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/08/19 14:40	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-12(10-15)-100119**

**Lab Sample ID: 500-170985-14**

**Date Collected: 10/01/19 00:40**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 74.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0025		0.0025	0.00083	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
1,1,2,2-Tetrachloroethane	<0.0025		0.0025	0.00079	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
1,1,2-Trichloroethane	<0.0025		0.0025	0.0011	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
1,1-Dichloroethane	<0.0025		0.0025	0.00085	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
1,1-Dichloroethene	<0.0025		0.0025	0.00085	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
1,2-Dichloroethane	<0.0062		0.0062	0.0019	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
1,2-Dichloropropane	<0.0025		0.0025	0.00064	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
1,3-Dichloropropene, Total	<0.0025		0.0025	0.00087	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
2-Hexanone	<0.0062		0.0062	0.0019	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Acetone	<0.025		0.025	0.011	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Benzene	<0.0025		0.0025	0.00063	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Bromodichloromethane	<0.0025		0.0025	0.00050	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Bromoform	<0.0025		0.0025	0.00072	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Bromomethane	<0.0062		0.0062	0.0023	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Carbon disulfide	<0.0062		0.0062	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Carbon tetrachloride	<0.0025		0.0025	0.00072	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Chlorobenzene	<0.0025		0.0025	0.00091	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Chloroethane	<0.0062 *		0.0062	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Chloroform	<0.0025		0.0025	0.00086	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Chloromethane	<0.0062		0.0062	0.0025	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
cis-1,2-Dichloroethene	<0.0025		0.0025	0.00069	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
cis-1,3-Dichloropropene	<0.0025		0.0025	0.00075	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Dibromochloromethane	<0.0025		0.0025	0.00081	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Ethylbenzene	<0.0025		0.0025	0.0012	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Methyl Ethyl Ketone	<0.0062		0.0062	0.0027	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
methyl isobutyl ketone	<0.0062		0.0062	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Methyl tert-butyl ether	<0.0025		0.0025	0.00073	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Methylene Chloride	<0.0062		0.0062	0.0024	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Styrene	<0.0025		0.0025	0.00075	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Tetrachloroethene	<0.0025		0.0025	0.00084	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Toluene	<0.0025		0.0025	0.00062	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
trans-1,2-Dichloroethene	<0.0025		0.0025	0.0011	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
trans-1,3-Dichloropropene	<0.0025		0.0025	0.00087	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Trichloroethene	<0.0025		0.0025	0.00084	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Vinyl chloride	<0.0025		0.0025	0.0011	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1
Xylenes, Total	<0.0049		0.0049	0.00079	mg/Kg	☼	10/01/19 15:55	10/08/19 17:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/01/19 15:55	10/08/19 17:23	1
4-Bromofluorobenzene (Surr)	94		75 - 131	10/01/19 15:55	10/08/19 17:23	1
Dibromofluoromethane	98		75 - 126	10/01/19 15:55	10/08/19 17:23	1
Toluene-d8 (Surr)	98		75 - 124	10/01/19 15:55	10/08/19 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
1,2-Dichlorobenzene	<0.21		0.21	0.051	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
1,3-Dichlorobenzene	<0.21		0.21	0.048	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.049	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-12(10-15)-100119**

**Lab Sample ID: 500-170985-14**

**Date Collected: 10/01/19 00:40**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 74.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.42		0.42	0.097	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
2,4,6-Trichlorophenol	<0.42		0.42	0.15	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
2,4-Dichlorophenol	<0.42		0.42	0.10	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
2,4-Dinitrophenol	<0.86		0.86	0.75	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
2,4-Dinitrotoluene	<0.21		0.21	0.067	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
2,6-Dinitrotoluene	<0.21		0.21	0.083	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
2-Chloronaphthalene	<0.21		0.21	0.047	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
2-Chlorophenol	<0.21		0.21	0.072	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
<b>2-Methylnaphthalene</b>	<b>0.011</b>	<b>J</b>	0.086	0.0078	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
2-Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
2-Nitroaniline	<0.21		0.21	0.057	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
2-Nitrophenol	<0.42		0.42	0.10	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
3 & 4 Methylphenol	<0.21		0.21	0.071	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.059	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
4,6-Dinitro-2-methylphenol	<0.86		0.86	0.34	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.056	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
4-Chloroaniline	<0.86		0.86	0.20	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.050	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
4-Nitrophenol	<0.86		0.86	0.40	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Acenaphthene	<0.042		0.042	0.0076	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Acenaphthylene	<0.042		0.042	0.0056	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Anthracene	<0.042		0.042	0.0071	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Benzo[a]anthracene	<0.042		0.042	0.0057	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Benzo[a]pyrene	<0.042		0.042	0.0082	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Benzo[b]fluoranthene	<0.042		0.042	0.0092	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Benzo[g,h,i]perylene	<0.042		0.042	0.014	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Benzo[k]fluoranthene	<0.042		0.042	0.013	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.064	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Butyl benzyl phthalate	<0.21		0.21	0.081	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Carbazole	<0.21	*	0.21	0.11	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Chrysene	<0.042		0.042	0.012	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0082	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Dibenzofuran	<0.21		0.21	0.050	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Diethyl phthalate	<0.21		0.21	0.072	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Di-n-butyl phthalate	<0.21		0.21	0.065	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Di-n-octyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Fluoranthene	<0.042		0.042	0.0079	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Fluorene	<0.042		0.042	0.0060	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Hexachlorobenzene	<0.086		0.086	0.0098	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Hexachlorobutadiene	<0.21		0.21	0.067	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Hexachlorocyclopentadiene	<0.86		0.86	0.24	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Hexachloroethane	<0.21		0.21	0.065	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-12(10-15)-100119**

**Lab Sample ID: 500-170985-14**

Date Collected: 10/01/19 00:40

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 74.4

## 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	<0.042		0.042	0.011	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Isophorone	<0.21		0.21	0.048	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Naphthalene	<0.042		0.042	0.0065	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Nitrobenzene	<0.042		0.042	0.011	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
N-Nitrosodi-n-propylamine	<0.086		0.086	0.052	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
N-Nitrosodiphenylamine	<0.21 *		0.21	0.050	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Pentachlorophenol	<0.86		0.86	0.68	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
<b>Phenanthrene</b>	<b>0.045</b>		0.042	0.0059	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Phenol	<0.21		0.21	0.094	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1
Pyrene	<0.042		0.042	0.0084	mg/Kg	☼	10/08/19 07:41	10/08/19 23:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		31 - 143	10/08/19 07:41	10/08/19 23:04	1
2-Fluorobiphenyl	76		43 - 145	10/08/19 07:41	10/08/19 23:04	1
2-Fluorophenol	85		31 - 166	10/08/19 07:41	10/08/19 23:04	1
Nitrobenzene-d5	65		37 - 147	10/08/19 07:41	10/08/19 23:04	1
Phenol-d5	71		30 - 153	10/08/19 07:41	10/08/19 23:04	1
Terphenyl-d14	92		42 - 157	10/08/19 07:41	10/08/19 23:04	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 14:36	10/09/19 20:13	1
<b>Barium</b>	<b>0.65</b>		0.50	0.050	mg/L		10/08/19 14:36	10/09/19 20:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 14:36	10/09/19 20:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 14:36	10/09/19 20:13	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:13	1
<b>Cobalt</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:13	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:13	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 14:36	10/09/19 20:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 14:36	10/09/19 20:13	1
<b>Manganese</b>	<b>2.1</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:13	1
<b>Nickel</b>	<b>0.047</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:13	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 14:36	10/09/19 20:13	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:13	1
<b>Zinc</b>	<b>0.039</b>	<b>J</b>	0.50	0.020	mg/L		10/08/19 14:36	10/09/19 20:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:17	10/08/19 19:04	1
<b>Barium</b>	<b>0.062</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:17	10/08/19 19:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:17	10/08/19 19:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:17	10/08/19 19:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:04	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:04	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:04	1
<b>Iron</b>	<b>3.7</b>		0.40	0.20	mg/L		10/07/19 16:17	10/08/19 19:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:17	10/08/19 19:04	1
<b>Manganese</b>	<b>0.050</b>		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:04	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:17	10/08/19 19:04	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-12(10-15)-100119**

**Lab Sample ID: 500-170985-14**

Date Collected: 10/01/19 00:40

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 74.4

**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 16:17	10/08/19 19:04	1
Zinc	0.044	J	0.50	0.020	mg/L		10/07/19 16:17	10/08/19 19:04	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.68	J	1.3	0.25	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Arsenic	7.8		0.64	0.22	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Barium	50		0.64	0.073	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Beryllium	0.80		0.26	0.060	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Cadmium	0.13	B	0.13	0.023	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Calcium	36000	B	13	2.2	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Chromium	21		0.64	0.32	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Cobalt	15		0.32	0.084	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Copper	34	B	0.64	0.18	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Iron	20000	B	13	6.6	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Lead	15		0.32	0.15	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Magnesium	23000	B	6.4	3.2	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Manganese	330		0.64	0.092	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Nickel	40		0.64	0.19	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Potassium	4900		32	11	mg/Kg	☼	10/08/19 16:55	10/10/19 11:35	1
Selenium	0.93		0.64	0.37	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Silver	2.9		0.32	0.082	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Sodium	290		64	9.4	mg/Kg	☼	10/08/19 16:55	10/10/19 11:35	1
Thallium	0.99		0.64	0.32	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Vanadium	25		0.32	0.075	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1
Zinc	130		1.3	0.56	mg/Kg	☼	10/08/19 16:55	10/10/19 04:20	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 09:55	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.020	0.0066	mg/Kg	☼	10/04/19 14:40	10/07/19 09:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/08/19 14:36	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-17(4-10)-100119**

**Lab Sample ID: 500-170985-18**

**Date Collected: 10/01/19 02:00**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 81.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Acetone	<0.017		0.017	0.0074	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Chloroethane	<0.0042 *		0.0042	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/01/19 15:55	10/08/19 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/01/19 15:55	10/08/19 18:41	1
4-Bromofluorobenzene (Surr)	95		75 - 131	10/01/19 15:55	10/08/19 18:41	1
Dibromofluoromethane	100		75 - 126	10/01/19 15:55	10/08/19 18:41	1
Toluene-d8 (Surr)	96		75 - 124	10/01/19 15:55	10/08/19 18:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-17(4-10)-100119**

**Lab Sample ID: 500-170985-18**

Date Collected: 10/01/19 02:00

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
<b>2-Methylnaphthalene</b>	<b>0.038</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Benzo[a]pyrene	<0.038		0.038	0.0075	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Carbazole	<0.19	*	0.19	0.097	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
<b>Chrysene</b>	<b>0.026</b>	<b>J</b>	0.038	0.011	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-17(4-10)-100119**

**Lab Sample ID: 500-170985-18**

Date Collected: 10/01/19 02:00

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
N-Nitrosodiphenylamine	<0.19 *		0.19	0.046	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
<b>Phenanthrene</b>	<b>0.11</b>		0.038	0.0054	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1
<b>Pyrene</b>	<b>0.026 J</b>		0.038	0.0077	mg/Kg	☼	10/08/19 07:41	10/09/19 05:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		31 - 143	10/08/19 07:41	10/09/19 05:13	1
2-Fluorobiphenyl	96		43 - 145	10/08/19 07:41	10/09/19 05:13	1
2-Fluorophenol	97		31 - 166	10/08/19 07:41	10/09/19 05:13	1
Nitrobenzene-d5	82		37 - 147	10/08/19 07:41	10/09/19 05:13	1
Phenol-d5	87		30 - 153	10/08/19 07:41	10/09/19 05:13	1
Terphenyl-d14	122		42 - 157	10/08/19 07:41	10/09/19 05:13	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		10/08/19 14:36	10/09/19 20:30	1
<b>Barium</b>	<b>0.57</b>		0.50	0.050	mg/L		10/08/19 14:36	10/09/19 20:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 14:36	10/09/19 20:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 14:36	10/09/19 20:30	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:30	1
<b>Cobalt</b>	<b>0.012 J</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:30	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:30	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 14:36	10/09/19 20:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 14:36	10/09/19 20:30	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:30	1
<b>Nickel</b>	<b>0.038</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:30	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 14:36	10/09/19 20:30	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:30	1
<b>Zinc</b>	<b>0.024 J</b>		0.50	0.020	mg/L		10/08/19 14:36	10/09/19 20:30	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 16:17	10/08/19 19:29	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:17	10/08/19 19:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:17	10/08/19 19:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:17	10/08/19 19:29	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:29	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:29	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:29	1
<b>Iron</b>	<b>1.5</b>		0.40	0.20	mg/L		10/07/19 16:17	10/08/19 19:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:17	10/08/19 19:29	1
<b>Manganese</b>	<b>0.026</b>		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:29	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:29	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:17	10/08/19 19:29	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-17(4-10)-100119**

**Lab Sample ID: 500-170985-18**

Date Collected: 10/01/19 02:00

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 81.2

**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 16:17	10/08/19 19:29	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:17	10/08/19 19:29	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.56	J	1.1	0.22	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Arsenic	9.1		0.56	0.19	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Barium	36		0.56	0.064	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Beryllium	0.61		0.22	0.052	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Cadmium	<0.11		0.11	0.020	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Calcium	58000	B	110	19	mg/Kg	☼	10/08/19 16:55	10/10/19 13:31	10
Chromium	16		0.56	0.28	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Cobalt	14		0.28	0.074	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Copper	36	B	0.56	0.16	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Iron	19000	B	11	5.8	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Lead	16		0.28	0.13	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Magnesium	23000	B	5.6	2.8	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Manganese	320		0.56	0.081	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Nickel	37		0.56	0.16	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Potassium	3200		28	9.9	mg/Kg	☼	10/08/19 16:55	10/10/19 11:59	1
Selenium	0.83		0.56	0.33	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Silver	2.2		0.28	0.072	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Sodium	290		56	8.3	mg/Kg	☼	10/08/19 16:55	10/10/19 11:59	1
Thallium	1.1		0.56	0.28	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Vanadium	18		0.28	0.066	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1
Zinc	47		1.1	0.49	mg/Kg	☼	10/08/19 16:55	10/10/19 04:36	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 10:01	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.020	0.0067	mg/Kg	☼	10/04/19 14:40	10/07/19 09:19	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/08/19 14:20	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-17(10-15)-100119**

**Lab Sample ID: 500-170985-19**

**Date Collected: 10/01/19 02:10**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 80.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Acetone	<0.017		0.017	0.0073	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Chloroethane	<0.0042 *		0.0042	0.0012	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Methylene Chloride	<0.0042		0.0042	0.0016	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	10/01/19 15:55	10/08/19 19:06	1
4-Bromofluorobenzene (Surr)	90		75 - 131	10/01/19 15:55	10/08/19 19:06	1
Dibromofluoromethane	99		75 - 126	10/01/19 15:55	10/08/19 19:06	1
Toluene-d8 (Surr)	95		75 - 124	10/01/19 15:55	10/08/19 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-17(10-15)-100119**

**Lab Sample ID: 500-170985-19**

Date Collected: 10/01/19 02:10

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
<b>2-Methylnaphthalene</b>	<b>0.027</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-17(10-15)-100119**

**Lab Sample ID: 500-170985-19**

Date Collected: 10/01/19 02:10

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.011	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
N-Nitrosodiphenylamine	<0.20	*	0.20	0.048	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
<b>Phenanthrene</b>	<b>0.061</b>		0.040	0.0057	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1
Pyrene	<0.040		0.040	0.0081	mg/Kg	☼	10/08/19 07:41	10/09/19 00:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	65		31 - 143	10/08/19 07:41	10/09/19 00:00	1
2-Fluorobiphenyl	74		43 - 145	10/08/19 07:41	10/09/19 00:00	1
2-Fluorophenol	82		31 - 166	10/08/19 07:41	10/09/19 00:00	1
Nitrobenzene-d5	65		37 - 147	10/08/19 07:41	10/09/19 00:00	1
Phenol-d5	69		30 - 153	10/08/19 07:41	10/09/19 00:00	1
Terphenyl-d14	91		42 - 157	10/08/19 07:41	10/09/19 00:00	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/08/19 14:36	10/09/19 20:34	1
<b>Barium</b>	<b>0.56</b>		0.50	0.050	mg/L		10/08/19 14:36	10/09/19 20:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 14:36	10/09/19 20:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 14:36	10/09/19 20:34	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:34	1
<b>Cobalt</b>	<b>0.011</b>	J	0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:34	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:34	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 14:36	10/09/19 20:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 14:36	10/09/19 20:34	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:34	1
<b>Nickel</b>	<b>0.037</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:34	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 14:36	10/09/19 20:34	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:34	1
Zinc	<0.50		0.50	0.020	mg/L		10/08/19 14:36	10/09/19 20:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:17	10/08/19 19:33	1
<b>Barium</b>	<b>0.057</b>	J	0.50	0.050	mg/L		10/07/19 16:17	10/08/19 19:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:17	10/08/19 19:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:17	10/08/19 19:33	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:33	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:33	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:33	1
<b>Iron</b>	<b>4.4</b>		0.40	0.20	mg/L		10/07/19 16:17	10/08/19 19:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:17	10/08/19 19:33	1
<b>Manganese</b>	<b>0.048</b>		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:33	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:33	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:17	10/08/19 19:33	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-17(10-15)-100119**

**Lab Sample ID: 500-170985-19**

Date Collected: 10/01/19 02:10

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 80.4

**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 16:17	10/08/19 19:33	1
Zinc	0.023	J	0.50	0.020	mg/L		10/07/19 16:17	10/08/19 19:33	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.53	J	1.2	0.23	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Arsenic	8.7		0.60	0.21	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Barium	40		0.60	0.069	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Beryllium	0.65		0.24	0.056	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Cadmium	0.045	J B	0.12	0.022	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Calcium	64000	B	120	20	mg/Kg	☼	10/08/19 16:55	10/10/19 14:08	10
Chromium	17		0.60	0.30	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Cobalt	13		0.30	0.079	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Copper	37	B	0.60	0.17	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Iron	19000	B	12	6.3	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Lead	15		0.30	0.14	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Magnesium	27000	B	6.0	3.0	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Manganese	330		0.60	0.087	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Nickel	35		0.60	0.17	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Potassium	3500		30	11	mg/Kg	☼	10/08/19 16:55	10/10/19 12:03	1
Selenium	0.64		0.60	0.35	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Silver	2.3		0.30	0.078	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Sodium	250		60	8.9	mg/Kg	☼	10/08/19 16:55	10/10/19 12:03	1
Thallium	1.0		0.60	0.30	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Vanadium	20		0.30	0.071	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1
Zinc	49		1.2	0.53	mg/Kg	☼	10/08/19 16:55	10/10/19 04:40	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 09:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 10:06	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.021	0.0069	mg/Kg	☼	10/04/19 14:40	10/07/19 09:21	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			10/08/19 14:52	1



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-21(10-16)-100119**

**Lab Sample ID: 500-170985-20**

**Date Collected: 10/01/19 02:30**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 78.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Acetone	<0.018		0.018	0.0080	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Carbon disulfide	<0.0046		0.0046	0.00095	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Chlorobenzene	<0.0018		0.0018	0.00068	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Chloroethane	<0.0046 *		0.0046	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Chloromethane	<0.0046		0.0046	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0020	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/01/19 15:55	10/08/19 19:31	1
4-Bromofluorobenzene (Surr)	90		75 - 131	10/01/19 15:55	10/08/19 19:31	1
Dibromofluoromethane	100		75 - 126	10/01/19 15:55	10/08/19 19:31	1
Toluene-d8 (Surr)	95		75 - 124	10/01/19 15:55	10/08/19 19:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-21(10-16)-100119**

**Lab Sample ID: 500-170985-20**

Date Collected: 10/01/19 02:30

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 78.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
2,4-Dinitrophenol	<0.83		0.83	0.73	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
<b>2-Methylnaphthalene</b>	<b>0.035</b>	<b>J</b>	0.083	0.0076	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
<b>Chrysene</b>	<b>0.013</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Hexachlorobenzene	<0.083		0.083	0.0096	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-21(10-16)-100119**

**Lab Sample ID: 500-170985-20**

Date Collected: 10/01/19 02:30

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 78.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.051	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
N-Nitrosodiphenylamine	<0.21 *		0.21	0.049	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
<b>Phenanthrene</b>	<b>0.076</b>		0.041	0.0058	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1
Pyrene	<0.041		0.041	0.0082	mg/Kg	☼	10/08/19 07:41	10/09/19 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	78		31 - 143	10/08/19 07:41	10/09/19 00:28	1
2-Fluorobiphenyl	81		43 - 145	10/08/19 07:41	10/09/19 00:28	1
2-Fluorophenol	79		31 - 166	10/08/19 07:41	10/09/19 00:28	1
Nitrobenzene-d5	67		37 - 147	10/08/19 07:41	10/09/19 00:28	1
Phenol-d5	77		30 - 153	10/08/19 07:41	10/09/19 00:28	1
Terphenyl-d14	107		42 - 157	10/08/19 07:41	10/09/19 00:28	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.010</b>	<b>J</b>	0.050	0.010	mg/L		10/08/19 14:36	10/09/19 20:59	1
<b>Barium</b>	<b>0.60</b>		0.50	0.050	mg/L		10/08/19 14:36	10/09/19 20:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 14:36	10/09/19 20:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 14:36	10/09/19 20:59	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:59	1
<b>Cobalt</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:59	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:59	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 14:36	10/09/19 20:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 14:36	10/09/19 20:59	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:59	1
<b>Nickel</b>	<b>0.038</b>		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:59	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 14:36	10/09/19 20:59	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 14:36	10/09/19 20:59	1
<b>Zinc</b>	<b>0.027</b>	<b>J</b>	0.50	0.020	mg/L		10/08/19 14:36	10/09/19 20:59	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 16:17	10/08/19 19:37	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:17	10/08/19 19:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:17	10/08/19 19:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:17	10/08/19 19:37	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:37	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:37	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:37	1
<b>Iron</b>	<b>0.80</b>		0.40	0.20	mg/L		10/07/19 16:17	10/08/19 19:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:17	10/08/19 19:37	1
<b>Manganese</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:37	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:37	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:17	10/08/19 19:37	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Client Sample ID: ROW-21(10-16)-100119**

**Lab Sample ID: 500-170985-20**

Date Collected: 10/01/19 02:30

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 78.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:17	10/08/19 19:37	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:17	10/08/19 19:37	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.49	J	1.2	0.23	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Arsenic	8.2		0.60	0.20	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Barium	40		0.60	0.068	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Beryllium	0.66		0.24	0.056	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Calcium	58000	B	120	20	mg/Kg	☼	10/08/19 16:55	10/10/19 14:12	10
Chromium	17		0.60	0.29	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Cobalt	13		0.30	0.078	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Copper	31	B	0.60	0.17	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Iron	19000	B	12	6.2	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Lead	14		0.30	0.14	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Magnesium	23000	B	6.0	3.0	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Manganese	310		0.60	0.086	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Nickel	35		0.60	0.17	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Potassium	3400		30	11	mg/Kg	☼	10/08/19 16:55	10/10/19 12:07	1
Selenium	0.86		0.60	0.35	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Silver	2.4		0.30	0.077	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Sodium	300		60	8.8	mg/Kg	☼	10/08/19 16:55	10/10/19 12:07	1
Thallium	0.96		0.60	0.30	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Vanadium	20		0.30	0.070	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1
Zinc	49		1.2	0.52	mg/Kg	☼	10/08/19 16:55	10/10/19 04:44	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 10:08	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.020	0.0067	mg/Kg	☼	10/04/19 14:40	10/07/19 09:28	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			10/08/19 14:56	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

## Qualifiers

### GC/MS VOA

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

### GC/MS Semi VOA

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

### 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.
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)

# Lab Chronicle

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

**Laboratory References:**

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

# Accreditation/Certification Summary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170985-1

## 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	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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



500-170985 COC

Report To (optional)  
Contact: Andris Skassars  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: SAMAB  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference#: \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 510-170985  
Chain of Custody Number: \_\_\_\_\_  
Page 1 of 3  
Temperature °C of Cooler: 4.1/3.8/2.3

Client		Project Name		Project Location/State		Sampler		Preservative		Parameter		Preservative Key	
<u>Weston</u>		<u>EDOT 9d/94</u>		<u>Chicago, IL</u>		<u>C. Pore + M. Delmo</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	
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	T-HL metals	TCUP/SPAP metals	pH	Comments	
			Date	Time									
1		Row-1(5-7)-093019	9/30/19	2330	6	S	X	X	X	X	X		
2		Row-2(3-5)-093019	↓	2345	6	S							
3		Row-3(3-5)-100119	10/1/19	0010	6	S							
4		Row-4(3-4)-100119		0030	6	S							
5		Row-4(4-10)-100119		0040	6	S							
6		Row-5(4-10)-100119		0100	6	S							
7		Row-6(4-10)-100119		0110	6	S							
8		Row-7(5-10)-100119		0125	6	S							
9		Row-8(5-10)-100119		0145	6	S							
10		Row-10(3-4)-100119	↓	0155	1	S							

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

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

Relinquished By: <u>[Signature]</u> Company: <u>WS</u> Date: <u>10/1/19</u> Time: <u>1400</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/1/19</u> Time: <u>1400</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/1/19</u> Time: <u>1515</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/1/19</u> Time: <u>1515</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

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

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)  
 Contact: Andres Stessers  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

Bill To (optional)  
 Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: Same  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 PO#/Reference#: \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-170985  
 Chain of Custody Number: \_\_\_\_\_  
 Page 2 of 3  
 Temperature °C of Cooler: 4/38.23

Client		Client Project #		Preservative		Parameter													
<u>Weston</u>		<u>62056-016-007</u>																	
Project Name		Project Location/State		Lab Project #		Lab PM													
<u>IDOT 90/94</u>		<u>Chicago, IL</u>																	
Sampler																			
<u>C. Pore + M. DeLino</u>																			
Lab ID	MIS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Treated Metals	TECP/SPC Metals	pH								
			Date	Time															
<u>11</u>		<u>ROW-10 (8-10)-100119</u>	<u>10/11/19</u>	<u>0205</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>								
<u>12</u>		<u>ROW-11 (4-7)-100119</u>		<u>0005</u>	<u>6</u>	<u>S</u>													
<u>13</u>		<u>ROW-12 (4-10)-100119</u>		<u>0030</u>	<u>6</u>	<u>S</u>													
<u>14</u>		<u>ROW-12 (10-15)-100119</u>		<u>0040</u>	<u>6</u>	<u>S</u>													
<u>15</u>		<u>ROW-13 (4-10)-100119</u>		<u>0100</u>	<u>6</u>	<u>S</u>													
<u>16</u>		<u>ROW-13 (10-15)-100119</u>		<u>0116</u>	<u>6</u>	<u>S</u>													
<u>17</u>		<u>ROW-13 (10-15)-100119A</u>		<u>0110</u>	<u>6</u>	<u>S</u>													
<u>18</u>		<u>ROW-17 (4-10)-100119</u>		<u>0200</u>	<u>6</u>	<u>S</u>													
<u>19</u>		<u>ROW-17 (10-15)-100119</u>		<u>0210</u>	<u>6</u>	<u>S</u>													
<u>20</u>		<u>ROW-21 (10-16)-100119</u>		<u>0230</u>	<u>6</u>	<u>S</u>													

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

Turnaround Time Required (Business Days): 1 Day 2 Days 5 Days X 7 Days 10 Days 15 Days \_\_\_\_\_ Other \_\_\_\_\_  
 Requested Due Date: \_\_\_\_\_  
 Sample Disposal:  Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>Ufer</u> Company: <u>WS</u> Date: <u>10/1/19</u> Time: <u>1400</u>	Received By: <u>P. Neal</u> Company: <u>TA</u> Date: <u>10/1/19</u> Time: <u>1900</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>P. Neal</u> Company: <u>TA</u> Date: <u>10/1/19</u> Time: <u>1515</u>	Received By: <u>John Woods</u> Company: <u>TA-CHT</u> Date: <u>10/1/19</u> Time: <u>1515</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

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

Client Comments: \_\_\_\_\_  
 Lab Comments: \_\_\_\_\_

## ANALYTICAL REPORT

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

Laboratory Job ID: 500-170986-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
10/11/2019 8:25:12 AM

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

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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

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

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

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170986-1

**Client Sample ID: ROW-21(16-22)-100119**

**Lab Sample ID: 500-170986-1**

**Date Collected: 10/01/19 02:40**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 79.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00075	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
1,1-Dichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
1,2-Dichloropropane	<0.0018		0.0018	0.00045	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Acetone	<0.018		0.018	0.0076	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Bromoform	<0.0018		0.0018	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Dibromochloromethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Ethylbenzene	<0.0018		0.0018	0.00084	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Toluene	<0.0018		0.0018	0.00044	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Trichloroethene	<0.0018		0.0018	0.00059	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/01/19 15:55	10/08/19 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	10/01/19 15:55	10/08/19 14:49	1
4-Bromofluorobenzene (Surr)	102		75 - 131	10/01/19 15:55	10/08/19 14:49	1
Dibromofluoromethane	92		75 - 126	10/01/19 15:55	10/08/19 14:49	1
Toluene-d8 (Surr)	94		75 - 124	10/01/19 15:55	10/08/19 14:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170986-1

**Client Sample ID: ROW-21(16-22)-100119**

**Lab Sample ID: 500-170986-1**

Date Collected: 10/01/19 02:40

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 79.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.095	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
2,4-Dichlorophenol	<0.41		0.41	0.099	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
2,4-Dinitrophenol	<0.84		0.84	0.73	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
<b>2-Methylnaphthalene</b>	<b>0.037</b>	<b>J</b>	0.084	0.0077	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Acenaphthene	<0.041		0.041	0.0075	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Anthracene	<0.041		0.041	0.0070	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Benzo[a]pyrene	<0.041		0.041	0.0081	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Benzo[b]fluoranthene	<0.041		0.041	0.0090	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
<b>Benzo[g,h,i]perylene</b>	<b>0.022</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
<b>Chrysene</b>	<b>0.030</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Hexachlorobenzene	<0.084		0.084	0.0096	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Hexachlorocyclopentadiene	<0.84	*	0.84	0.24	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170986-1

**Client Sample ID: ROW-21(16-22)-100119**

**Lab Sample ID: 500-170986-1**

Date Collected: 10/01/19 02:40

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 79.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.011</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
<b>Phenanthrene</b>	<b>0.12</b>		0.041	0.0058	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
Pyrene	<0.041		0.041	0.0083	mg/Kg	☼	10/07/19 08:13	10/08/19 00:43	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	85		31 - 143				10/07/19 08:13	10/08/19 00:43	1
<i>2-Fluorobiphenyl</i>	105		43 - 145				10/07/19 08:13	10/08/19 00:43	1
<i>2-Fluorophenol</i>	107		31 - 166				10/07/19 08:13	10/08/19 00:43	1
<i>Nitrobenzene-d5</i>	90		37 - 147				10/07/19 08:13	10/08/19 00:43	1
<i>Phenol-d5</i>	96		30 - 153				10/07/19 08:13	10/08/19 00:43	1
<i>Terphenyl-d14</i>	117		42 - 157				10/07/19 08:13	10/08/19 00:43	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		10/08/19 08:58	10/09/19 17:52	1
<b>Barium</b>	<b>0.63</b>		0.50	0.050	mg/L		10/08/19 08:58	10/09/19 17:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:58	10/09/19 17:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:58	10/09/19 17:52	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 17:52	1
Cobalt	<0.025		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 17:52	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 17:52	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:58	10/09/19 17:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:58	10/09/19 17:52	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 17:52	1
<b>Nickel</b>	<b>0.029</b>		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 17:52	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:58	10/09/19 17:52	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 17:52	1
<b>Zinc</b>	<b>0.029</b>	<b>J</b>	0.50	0.020	mg/L		10/08/19 08:58	10/09/19 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:19	10/09/19 09:14	1
<b>Barium</b>	<b>0.051</b>	<b>J</b>	0.50	0.050	mg/L		10/07/19 16:19	10/09/19 09:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:19	10/09/19 09:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:19	10/09/19 09:14	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 09:14	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 09:14	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 09:14	1
<b>Iron</b>	<b>3.2</b>		0.40	0.20	mg/L		10/07/19 16:19	10/09/19 09:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:19	10/09/19 09:14	1
<b>Manganese</b>	<b>0.040</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 09:14	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 09:14	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:19	10/09/19 09:14	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170986-1

**Client Sample ID: ROW-21(16-22)-100119**

**Lab Sample ID: 500-170986-1**

Date Collected: 10/01/19 02:40

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 79.2

**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 16:19	10/09/19 09:14	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:19	10/09/19 09:14	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.57	J F1 F2	1.2	0.23	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Arsenic	9.3	F1	0.59	0.20	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Barium	40		0.59	0.067	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Beryllium	0.63		0.23	0.055	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Calcium	59000	B	120	20	mg/Kg	☼	10/07/19 18:23	10/10/19 11:36	10
Chromium	17	^	0.59	0.29	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Cobalt	14		0.29	0.077	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Copper	32	B	0.59	0.16	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Iron	24000		12	6.1	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Lead	20	F1	0.29	0.14	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Magnesium	25000		5.9	2.9	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Manganese	340		0.59	0.085	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Nickel	35		0.59	0.17	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Potassium	2800		29	10	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Selenium	0.91	F1	0.59	0.34	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Silver	2.3		0.29	0.076	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Sodium	190		59	8.7	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Thallium	1.1		0.59	0.29	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Vanadium	20		0.29	0.069	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1
Zinc	49	F1	1.2	0.51	mg/Kg	☼	10/07/19 18:23	10/10/19 00:52	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 07:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 08:12	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.019	0.0064	mg/Kg	☼	10/03/19 14:35	10/04/19 08:03	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/08/19 14:59	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170986-1

**Client Sample ID: ROW-21(16-22)-100119D**

**Lab Sample ID: 500-170986-2**

**Date Collected: 10/01/19 02:40**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 80.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Acetone	<0.018		0.018	0.0078	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	10/01/19 15:55	10/08/19 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	10/01/19 15:55	10/08/19 15:15	1
4-Bromofluorobenzene (Surr)	102		75 - 131	10/01/19 15:55	10/08/19 15:15	1
Dibromofluoromethane	92		75 - 126	10/01/19 15:55	10/08/19 15:15	1
Toluene-d8 (Surr)	92		75 - 124	10/01/19 15:55	10/08/19 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170986-1

**Client Sample ID: ROW-21(16-22)-100119D**

**Lab Sample ID: 500-170986-2**

Date Collected: 10/01/19 02:40

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
<b>2-Methylnaphthalene</b>	<b>0.024</b>	<b>J</b>	0.083	0.0075	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Benzo[a]pyrene	<0.041		0.041	0.0079	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Hexachlorocyclopentadiene	<0.83	*	0.83	0.24	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170986-1

**Client Sample ID: ROW-21(16-22)-100119D**

**Lab Sample ID: 500-170986-2**

Date Collected: 10/01/19 02:40

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
<b>Phenanthrene</b>	<b>0.058</b>		0.041	0.0057	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
<b>Pyrene</b>	<b>0.013</b>	<b>J</b>	0.041	0.0081	mg/Kg	☼	10/07/19 08:13	10/08/19 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	85		31 - 143				10/07/19 08:13	10/08/19 01:11	1
2-Fluorobiphenyl	94		43 - 145				10/07/19 08:13	10/08/19 01:11	1
2-Fluorophenol	99		31 - 166				10/07/19 08:13	10/08/19 01:11	1
Nitrobenzene-d5	82		37 - 147				10/07/19 08:13	10/08/19 01:11	1
Phenol-d5	85		30 - 153				10/07/19 08:13	10/08/19 01:11	1
Terphenyl-d14	105		42 - 157				10/07/19 08:13	10/08/19 01:11	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.011</b>	<b>J</b>	0.050	0.010	mg/L		10/08/19 08:58	10/09/19 17:56	1
<b>Barium</b>	<b>0.54</b>		0.50	0.050	mg/L		10/08/19 08:58	10/09/19 17:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:58	10/09/19 17:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:58	10/09/19 17:56	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 17:56	1
Cobalt	<0.025		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 17:56	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 17:56	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:58	10/09/19 17:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:58	10/09/19 17:56	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 17:56	1
<b>Nickel</b>	<b>0.029</b>		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 17:56	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:58	10/09/19 17:56	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 17:56	1
<b>Zinc</b>	<b>0.023</b>	<b>J</b>	0.50	0.020	mg/L		10/08/19 08:58	10/09/19 17:56	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 16:19	10/09/19 09:18	1
Barium	<0.50		0.50	0.050	mg/L		10/07/19 16:19	10/09/19 09:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:19	10/09/19 09:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:19	10/09/19 09:18	1
Chromium	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 09:18	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 09:18	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 09:18	1
<b>Iron</b>	<b>1.9</b>		0.40	0.20	mg/L		10/07/19 16:19	10/09/19 09:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:19	10/09/19 09:18	1
<b>Manganese</b>	<b>0.032</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 09:18	1
Nickel	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 09:18	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:19	10/09/19 09:18	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170986-1

**Client Sample ID: ROW-21(16-22)-100119D**

**Lab Sample ID: 500-170986-2**

Date Collected: 10/01/19 02:40

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 80.1

**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 16:19	10/09/19 09:18	1
Zinc	<0.50		0.50	0.020	mg/L		10/07/19 16:19	10/09/19 09:18	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.42	J	1.2	0.23	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Arsenic	8.0		0.59	0.20	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Barium	36		0.59	0.067	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Beryllium	0.62		0.24	0.055	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Cadmium	0.11	J B	0.12	0.021	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Calcium	55000	B	120	20	mg/Kg	☼	10/07/19 18:23	10/10/19 11:56	10
Chromium	17	^	0.59	0.29	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Cobalt	13		0.30	0.077	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Copper	32	B	0.59	0.17	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Iron	19000		12	6.1	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Lead	14		0.30	0.14	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Magnesium	23000		5.9	2.9	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Manganese	330		0.59	0.086	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Nickel	34		0.59	0.17	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Potassium	2700		30	10	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Selenium	0.70		0.59	0.35	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Silver	2.3		0.30	0.076	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Sodium	190		59	8.7	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Thallium	1.1		0.59	0.29	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Vanadium	19		0.30	0.070	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1
Zinc	62		1.2	0.52	mg/Kg	☼	10/07/19 18:23	10/10/19 01:13	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 07:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 08:22	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.020	0.0065	mg/Kg	☼	10/03/19 14:35	10/04/19 08:05	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/08/19 14:49	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170986-1

**Client Sample ID: ROW-21(22-30)-100119**

**Lab Sample ID: 500-170986-3**

**Date Collected: 10/01/19 02:50**

**Matrix: Solid**

**Date Received: 10/01/19 15:15**

**Percent Solids: 80.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Acetone	<0.018		0.018	0.0080	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Carbon disulfide	<0.0046		0.0046	0.00095	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Chloromethane	<0.0046		0.0046	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0020	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1
Xylenes, Total	<0.0037		0.0037	0.00058	mg/Kg	☼	10/01/19 15:55	10/08/19 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	10/01/19 15:55	10/08/19 15:41	1
4-Bromofluorobenzene (Surr)	103		75 - 131	10/01/19 15:55	10/08/19 15:41	1
Dibromofluoromethane	93		75 - 126	10/01/19 15:55	10/08/19 15:41	1
Toluene-d8 (Surr)	94		75 - 124	10/01/19 15:55	10/08/19 15:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170986-1

**Client Sample ID: ROW-21(22-30)-100119**

**Lab Sample ID: 500-170986-3**

Date Collected: 10/01/19 02:50

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
<b>2-Methylnaphthalene</b>	<b>0.014</b>	<b>J</b>	0.083	0.0076	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
<b>Chrysene</b>	<b>0.012</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Hexachlorocyclopentadiene	<0.83	*	0.83	0.24	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170986-1

**Client Sample ID: ROW-21(22-30)-100119**

**Lab Sample ID: 500-170986-3**

Date Collected: 10/01/19 02:50

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
<b>Phenanthrene</b>	<b>0.053</b>		0.041	0.0057	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1
Pyrene	<0.041		0.041	0.0082	mg/Kg	☼	10/07/19 08:13	10/08/19 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	83		31 - 143	10/07/19 08:13	10/08/19 01:39	1
2-Fluorobiphenyl	90		43 - 145	10/07/19 08:13	10/08/19 01:39	1
2-Fluorophenol	95		31 - 166	10/07/19 08:13	10/08/19 01:39	1
Nitrobenzene-d5	79		37 - 147	10/07/19 08:13	10/08/19 01:39	1
Phenol-d5	83		30 - 153	10/07/19 08:13	10/08/19 01:39	1
Terphenyl-d14	98		42 - 157	10/07/19 08:13	10/08/19 01:39	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		10/08/19 08:58	10/09/19 18:00	1
<b>Barium</b>	<b>0.53</b>		0.50	0.050	mg/L		10/08/19 08:58	10/09/19 18:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/08/19 08:58	10/09/19 18:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/08/19 08:58	10/09/19 18:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 18:00	1
Cobalt	<0.025		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 18:00	1
Copper	<0.025		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 18:00	1
Iron	<0.40		0.40	0.20	mg/L		10/08/19 08:58	10/09/19 18:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/08/19 08:58	10/09/19 18:00	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 18:00	1
<b>Nickel</b>	<b>0.026</b>		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 18:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/08/19 08:58	10/09/19 18:00	1
Silver	<0.025		0.025	0.010	mg/L		10/08/19 08:58	10/09/19 18:00	1
<b>Zinc</b>	<b>0.020 J</b>		0.50	0.020	mg/L		10/08/19 08:58	10/09/19 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/07/19 16:19	10/09/19 09:22	1
<b>Barium</b>	<b>0.073 J</b>		0.50	0.050	mg/L		10/07/19 16:19	10/09/19 09:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/07/19 16:19	10/09/19 09:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/07/19 16:19	10/09/19 09:22	1
<b>Chromium</b>	<b>0.015 J</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 09:22	1
Cobalt	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 09:22	1
Copper	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 09:22	1
<b>Iron</b>	<b>7.9</b>		0.40	0.20	mg/L		10/07/19 16:19	10/09/19 09:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/07/19 16:19	10/09/19 09:22	1
<b>Manganese</b>	<b>0.082</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 09:22	1
<b>Nickel</b>	<b>0.012 J</b>		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 09:22	1
Selenium	<0.050		0.050	0.020	mg/L		10/07/19 16:19	10/09/19 09:22	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170986-1

**Client Sample ID: ROW-21(22-30)-100119**

**Lab Sample ID: 500-170986-3**

Date Collected: 10/01/19 02:50

Matrix: Solid

Date Received: 10/01/19 15:15

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/07/19 16:19	10/09/19 09:22	1
Zinc	0.024	J	0.50	0.020	mg/L		10/07/19 16:19	10/09/19 09:22	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.41	J	1.1	0.22	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Arsenic	8.0		0.57	0.19	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Barium	39		0.57	0.065	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Beryllium	0.64		0.23	0.053	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Cadmium	0.049	J B	0.11	0.020	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Calcium	51000	B	110	19	mg/Kg	☼	10/07/19 18:23	10/10/19 12:00	10
Chromium	17	^	0.57	0.28	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Cobalt	13		0.28	0.074	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Copper	30	B	0.57	0.16	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Iron	20000		11	5.9	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Lead	14		0.28	0.13	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Magnesium	22000		5.7	2.8	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Manganese	310		0.57	0.082	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Nickel	35		0.57	0.17	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Potassium	3000		28	10	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Selenium	0.84		0.57	0.33	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Silver	2.4		0.28	0.073	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Sodium	200		57	8.4	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Thallium	1.0		0.57	0.28	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Vanadium	21		0.28	0.067	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1
Zinc	56		1.1	0.50	mg/Kg	☼	10/07/19 18:23	10/10/19 01:17	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 07:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/07/19 10:20	10/08/19 08:24	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.020	0.0065	mg/Kg	☼	10/03/19 14:35	10/04/19 08:08	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/08/19 14:43	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-170986-1

## Qualifiers

### GC/MS Semi VOA

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

### Metals

Qualifier	Qualifier Description
^	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.
E	Result exceeded calibration range.
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.
▫	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 - Circle Interchange-WO 003

Job ID: 500-170986-1

## 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	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 60  
Phone: 708.534.5200 Fax: 708.534



500-170986 COC

Report To (optional)  
Contact: Andri Skiffers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

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

## Chain of Custody Record

Lab Job #: 500-170986  
Chain of Custody Number: \_\_\_\_\_  
Page 3 of 8  
Temperature °C of Cooler: 4, 3.8, 2.3

Client		Client Project #		Preservative		Parameter										Preservative Key	
<u>Wxston</u>		<u>01056.016.002</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		metals		TRCP/SAP		metals		pH	
<u>DOA 90/94</u>								<u>VOCS</u>		<u>SUOCs</u>							
Project Location/State		Lab PM		Date		Time										Comments	
<u>Chicago, IL</u>																	
Sampler																	
<u>C. Pence + A. DeLeo</u>																	
Lab ID	MS/MSD	Sample ID		Sampling													
<u>1</u>		<u>ROW-21(16-22)-100119</u>		<u>10/1/19</u>	<u>0240</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>2</u>		<u>ROW-21(16-22)-100119B</u>			<u>0240</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>3</u>		<u>ROW-21(21-38)-100119</u>		<u>↓</u>	<u>0250</u>	<u>1</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>	

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

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

Relinquished By <u>[Signature]</u> Company <u>WS</u> Date <u>10/1/19</u> Time <u>1400</u>	Received By <u>[Signature]</u> Company <u>A</u> Date <u>10/1/19</u> Time <u>1400</u>	Lab Courier <u>TJA</u>
Relinquished By <u>[Signature]</u> Company <u>A</u> Date <u>10/1/19</u> Time <u>1515</u>	Received By <u>[Signature]</u> Company <u>FA-CRT</u> Date <u>10/1/19</u> Time <u>1515</u>	Shipped _____
Relinquished By _____ Company _____ Date _____ Time _____	Received By _____ Company _____ Date _____ Time _____	Hand Delivered _____

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

Client Comments

Lab Comments:

## ANALYTICAL REPORT

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

Laboratory Job ID: 500-171160-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

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

Attn: Mr. Andris Slesers

*Jodie Bracken*

Authorized for release by:  
10/15/2019 5:56:01 PM

Jodie Bracken, Project Management Assistant II  
[jodie.bracken@testamericainc.com](mailto:jodie.bracken@testamericainc.com)

Designee for

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

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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

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

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

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(0-5)-100219**

**Lab Sample ID: 500-171160-1**

Date Collected: 10/02/19 23:15

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Acetone	<0.016		0.016	0.0069	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	10/03/19 17:45	10/10/19 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	10/03/19 17:45	10/10/19 18:14	1
4-Bromofluorobenzene (Surr)	99		75 - 131	10/03/19 17:45	10/10/19 18:14	1
Dibromofluoromethane	100		75 - 126	10/03/19 17:45	10/10/19 18:14	1
Toluene-d8 (Surr)	96		75 - 124	10/03/19 17:45	10/10/19 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(0-5)-100219**

**Lab Sample ID: 500-171160-1**

Date Collected: 10/02/19 23:15

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
<b>2-Methylnaphthalene</b>	<b>0.020</b>	<b>J</b>	0.079	0.0072	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Carbazole	<0.20	*	0.20	0.098	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
<b>Chrysene</b>	<b>0.041</b>		0.039	0.011	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
<b>Fluoranthene</b>	<b>0.0099</b>	<b>J</b>	0.039	0.0072	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(0-5)-100219**

**Lab Sample ID: 500-171160-1**

Date Collected: 10/02/19 23:15

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
<b>Naphthalene</b>	<b>0.0075</b>	<b>J</b>	0.039	0.0060	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
<b>Phenanthrene</b>	<b>0.10</b>		0.039	0.0054	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1
<b>Pyrene</b>	<b>0.034</b>	<b>J</b>	0.039	0.0078	mg/Kg	☼	10/10/19 15:55	10/11/19 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	84		31 - 143	10/10/19 15:55	10/11/19 19:44	1
2-Fluorobiphenyl	95		43 - 145	10/10/19 15:55	10/11/19 19:44	1
2-Fluorophenol	111		31 - 166	10/10/19 15:55	10/11/19 19:44	1
Nitrobenzene-d5	82		37 - 147	10/10/19 15:55	10/11/19 19:44	1
Phenol-d5	102		30 - 153	10/10/19 15:55	10/11/19 19:44	1
Terphenyl-d14	106		42 - 157	10/10/19 15:55	10/11/19 19:44	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/10/19 14:42	10/14/19 17:37	1
Barium	<0.50		0.50	0.050	mg/L		10/10/19 14:42	10/14/19 17:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/10/19 14:42	10/14/19 17:37	1
<b>Cadmium</b>	<b>0.0043</b>	<b>J</b>	0.0050	0.0020	mg/L		10/10/19 14:42	10/14/19 17:37	1
Chromium	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/14/19 17:37	1
<b>Cobalt</b>	<b>0.037</b>		0.025	0.010	mg/L		10/10/19 14:42	10/14/19 17:37	1
Copper	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/14/19 17:37	1
<b>Iron</b>	<b>0.20</b>	<b>J</b>	0.40	0.20	mg/L		10/10/19 14:42	10/14/19 17:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/10/19 14:42	10/14/19 17:37	1
<b>Manganese</b>	<b>2.6</b>		0.025	0.010	mg/L		10/10/19 14:42	10/14/19 17:37	1
<b>Nickel</b>	<b>0.025</b>		0.025	0.010	mg/L		10/10/19 14:42	10/14/19 17:37	1
Selenium	<0.050		0.050	0.020	mg/L		10/10/19 14:42	10/15/19 10:18	1
Silver	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/14/19 17:37	1
<b>Zinc</b>	<b>0.025</b>	<b>J</b>	0.50	0.020	mg/L		10/10/19 14:42	10/14/19 17:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 08:21	10/12/19 16:04	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 08:21	10/12/19 16:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 08:21	10/12/19 16:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 08:21	10/12/19 16:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:04	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:04	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:04	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 08:21	10/12/19 16:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 08:21	10/12/19 16:04	1
<b>Manganese</b>	<b>0.13</b>		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:04	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 08:21	10/12/19 16:04	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(0-5)-100219**

**Lab Sample ID: 500-171160-1**

Date Collected: 10/02/19 23:15

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:04	1
<b>Zinc</b>	<b>0.035</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 08:21	10/12/19 16:04	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.45</b>	<b>J</b>	1.2	0.23	mg/Kg	☼	10/10/19 17:13	10/14/19 15:46	1
<b>Arsenic</b>	<b>9.2</b>		0.59	0.20	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Barium</b>	<b>31</b>		0.59	0.067	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Beryllium</b>	<b>0.66</b>		0.24	0.055	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Cadmium</b>	<b>0.026</b>	<b>J B</b>	0.12	0.021	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Calcium</b>	<b>35000</b>		12	2.0	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Chromium</b>	<b>16</b>		0.59	0.29	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Cobalt</b>	<b>14</b>		0.29	0.077	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Copper</b>	<b>29</b>		0.59	0.16	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Iron</b>	<b>22000</b>		12	6.1	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Lead</b>	<b>17</b>		0.29	0.14	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Magnesium</b>	<b>23000</b>		5.9	2.9	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Manganese</b>	<b>270</b>	<b>B</b>	0.59	0.085	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Nickel</b>	<b>36</b>		0.59	0.17	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Potassium</b>	<b>2700</b>		29	10	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Selenium</b>	<b>0.69</b>		0.59	0.35	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Silver</b>	<b>2.4</b>		0.29	0.076	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Sodium</b>	<b>1200</b>		59	8.7	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Thallium</b>	<b>1.1</b>		0.59	0.29	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Vanadium</b>	<b>21</b>		0.29	0.069	mg/Kg	☼	10/10/19 17:13	10/11/19 20:54	1
<b>Zinc</b>	<b>58</b>		1.2	0.52	mg/Kg	☼	10/10/19 17:13	10/14/19 15:46	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/09/19 10:15	10/10/19 12:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/09/19 10:15	10/10/19 08:57	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.022</b>		0.019	0.0062	mg/Kg	☼	10/08/19 15:00	10/09/19 09:28	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.0</b>		0.2	0.2	SU			10/08/19 19:57	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(5-10)-100219**

**Lab Sample ID: 500-171160-2**

**Date Collected: 10/02/19 23:20**

**Matrix: Solid**

**Date Received: 10/03/19 15:07**

**Percent Solids: 79.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Acetone	<0.018		0.018	0.0079	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☼	10/03/19 17:45	10/10/19 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	10/03/19 17:45	10/10/19 18:40	1
4-Bromofluorobenzene (Surr)	94		75 - 131	10/03/19 17:45	10/10/19 18:40	1
Dibromofluoromethane	100		75 - 126	10/03/19 17:45	10/10/19 18:40	1
Toluene-d8 (Surr)	98		75 - 124	10/03/19 17:45	10/10/19 18:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(5-10)-100219**

**Lab Sample ID: 500-171160-2**

Date Collected: 10/02/19 23:20

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.095	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
2,4-Dichlorophenol	<0.41		0.41	0.099	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
2,4-Dinitrophenol	<0.84		0.84	0.73	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
<b>2-Methylnaphthalene</b>	<b>0.027</b>	<b>J</b>	0.084	0.0077	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
<b>Acenaphthene</b>	<b>0.023</b>	<b>J</b>	0.041	0.0075	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Anthracene	<0.041		0.041	0.0070	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Benzo[a]pyrene	<0.041		0.041	0.0081	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Benzo[b]fluoranthene	<0.041		0.041	0.0090	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
<b>Chrysene</b>	<b>0.045</b>		0.041	0.011	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
<b>Fluoranthene</b>	<b>0.0078</b>	<b>J</b>	0.041	0.0077	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
<b>Fluorene</b>	<b>0.015</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Hexachlorobenzene	<0.084		0.084	0.0096	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(5-10)-100219**

**Lab Sample ID: 500-171160-2**

Date Collected: 10/02/19 23:20

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 79.8

**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	<0.041		0.041	0.011	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
<b>Phenanthrene</b>	<b>0.17</b>		0.041	0.0058	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1
<b>Pyrene</b>	<b>0.035</b>	<b>J</b>	0.041	0.0083	mg/Kg	☼	10/10/19 15:55	10/11/19 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	82		31 - 143	10/10/19 15:55	10/11/19 17:16	1
2-Fluorobiphenyl	98		43 - 145	10/10/19 15:55	10/11/19 17:16	1
2-Fluorophenol	135		31 - 166	10/10/19 15:55	10/11/19 17:16	1
Nitrobenzene-d5	87		37 - 147	10/10/19 15:55	10/11/19 17:16	1
Phenol-d5	127		30 - 153	10/10/19 15:55	10/11/19 17:16	1
Terphenyl-d14	105		42 - 157	10/10/19 15:55	10/11/19 17:16	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/10/19 14:42	10/11/19 18:10	1
<b>Barium</b>	<b>0.26</b>	<b>J</b>	0.50	0.050	mg/L		10/10/19 14:42	10/11/19 18:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/10/19 14:42	10/11/19 18:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/10/19 14:42	10/11/19 18:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:10	1
<b>Cobalt</b>	<b>0.026</b>		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:10	1
Copper	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:10	1
Iron	<0.40		0.40	0.20	mg/L		10/10/19 14:42	10/11/19 18:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/10/19 14:42	10/11/19 18:10	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:10	1
<b>Nickel</b>	<b>0.061</b>		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:10	1
Selenium	<0.050		0.050	0.020	mg/L		10/10/19 14:42	10/11/19 18:10	1
Silver	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:10	1
Zinc	<0.50		0.50	0.020	mg/L		10/10/19 14:42	10/11/19 18:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 08:21	10/12/19 16:08	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 08:21	10/12/19 16:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 08:21	10/12/19 16:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 08:21	10/12/19 16:08	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:08	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:08	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:08	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 08:21	10/12/19 16:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 08:21	10/12/19 16:08	1
<b>Manganese</b>	<b>0.028</b>		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:08	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:08	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 08:21	10/12/19 16:08	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(5-10)-100219**

**Lab Sample ID: 500-171160-2**

Date Collected: 10/02/19 23:20

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 79.8

**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		10/11/19 08:21	10/12/19 16:08	1
<b>Zinc</b>	<b>0.025</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 08:21	10/12/19 16:08	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.31</b>	<b>J</b>	1.2	0.24	mg/Kg	☼	10/10/19 17:13	10/14/19 15:50	1
<b>Arsenic</b>	<b>8.8</b>		0.61	0.21	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Barium</b>	<b>29</b>		0.61	0.070	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Beryllium</b>	<b>0.81</b>		0.24	0.057	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Cadmium</b>	<b>0.15</b>	<b>B</b>	0.12	0.022	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Calcium</b>	<b>45000</b>		120	21	mg/Kg	☼	10/10/19 17:13	10/14/19 15:54	10
<b>Chromium</b>	<b>20</b>		0.61	0.30	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Cobalt</b>	<b>15</b>		0.31	0.080	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Copper</b>	<b>34</b>		0.61	0.17	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Iron</b>	<b>22000</b>		12	6.3	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Lead</b>	<b>17</b>		0.31	0.14	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Magnesium</b>	<b>22000</b>		6.1	3.0	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Manganese</b>	<b>330</b>	<b>B</b>	0.61	0.088	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Nickel</b>	<b>40</b>		0.61	0.18	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Potassium</b>	<b>3300</b>		31	11	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Selenium</b>	<b>0.57</b>	<b>J</b>	0.61	0.36	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Silver</b>	<b>2.4</b>		0.31	0.079	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Sodium</b>	<b>630</b>		61	9.0	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Thallium</b>	<b>1.0</b>		0.61	0.30	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Vanadium</b>	<b>22</b>		0.31	0.072	mg/Kg	☼	10/10/19 17:13	10/11/19 20:58	1
<b>Zinc</b>	<b>87</b>		1.2	0.54	mg/Kg	☼	10/10/19 17:13	10/14/19 15:50	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/09/19 10:15	10/10/19 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/09/19 10:15	10/10/19 08:58	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.023</b>		0.018	0.0061	mg/Kg	☼	10/08/19 15:00	10/09/19 09:30	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.2</b>		0.2	0.2	SU			10/08/19 19:57	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(10-15)-100219**

**Lab Sample ID: 500-171160-3**

**Date Collected: 10/02/19 23:27**

**Matrix: Solid**

**Date Received: 10/03/19 15:07**

**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	<0.0018		0.0018	0.00060	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Acetone	<0.018		0.018	0.0078	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	10/03/19 17:45	10/10/19 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	10/03/19 17:45	10/10/19 19:05	1
4-Bromofluorobenzene (Surr)	92		75 - 131	10/03/19 17:45	10/10/19 19:05	1
Dibromofluoromethane	101		75 - 126	10/03/19 17:45	10/10/19 19:05	1
Toluene-d8 (Surr)	93		75 - 124	10/03/19 17:45	10/10/19 19:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(10-15)-100219**

**Lab Sample ID: 500-171160-3**

Date Collected: 10/02/19 23:27

Matrix: Solid

Date Received: 10/03/19 15:07

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	<0.40		0.40	0.091	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
<b>2-Methylnaphthalene</b>	<b>0.065</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
<b>Acenaphthene</b>	<b>0.021</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
<b>Chrysene</b>	<b>0.044</b>		0.040	0.011	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
<b>Fluorene</b>	<b>0.010</b>	<b>J</b>	0.040	0.0056	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(10-15)-100219**

**Lab Sample ID: 500-171160-3**

Date Collected: 10/02/19 23:27

Matrix: Solid

Date Received: 10/03/19 15:07

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	<0.040		0.040	0.010	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
<b>Phenanthrene</b>	<b>0.19</b>		0.040	0.0056	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1
<b>Pyrene</b>	<b>0.038</b>	<b>J</b>	0.040	0.0079	mg/Kg	☼	10/10/19 15:55	10/11/19 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	64		31 - 143	10/10/19 15:55	10/11/19 20:14	1
2-Fluorobiphenyl	98		43 - 145	10/10/19 15:55	10/11/19 20:14	1
2-Fluorophenol	100		31 - 166	10/10/19 15:55	10/11/19 20:14	1
Nitrobenzene-d5	78		37 - 147	10/10/19 15:55	10/11/19 20:14	1
Phenol-d5	76		30 - 153	10/10/19 15:55	10/11/19 20:14	1
Terphenyl-d14	103		42 - 157	10/10/19 15:55	10/11/19 20:14	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/10/19 14:42	10/11/19 18:14	1
<b>Barium</b>	<b>0.24</b>	<b>J</b>	0.50	0.050	mg/L		10/10/19 14:42	10/11/19 18:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/10/19 14:42	10/11/19 18:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/10/19 14:42	10/11/19 18:14	1
Chromium	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:14	1
<b>Cobalt</b>	<b>0.023</b>	<b>J</b>	0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:14	1
Copper	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:14	1
Iron	<0.40		0.40	0.20	mg/L		10/10/19 14:42	10/11/19 18:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/10/19 14:42	10/11/19 18:14	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:14	1
<b>Nickel</b>	<b>0.057</b>		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:14	1
Selenium	<0.050		0.050	0.020	mg/L		10/10/19 14:42	10/11/19 18:14	1
Silver	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:14	1
<b>Zinc</b>	<b>0.021</b>	<b>J</b>	0.50	0.020	mg/L		10/10/19 14:42	10/11/19 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 08:21	10/12/19 16:12	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 08:21	10/12/19 16:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 08:21	10/12/19 16:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 08:21	10/12/19 16:12	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:12	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:12	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:12	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 08:21	10/12/19 16:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 08:21	10/12/19 16:12	1
<b>Manganese</b>	<b>0.030</b>		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:12	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:12	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 08:21	10/12/19 16:12	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(10-15)-100219**

**Lab Sample ID: 500-171160-3**

Date Collected: 10/02/19 23:27

Matrix: Solid

Date Received: 10/03/19 15:07

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		10/11/19 08:21	10/12/19 16:12	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 08:21	10/12/19 16:12	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.22	J	1.1	0.21	mg/Kg	☼	10/10/19 17:13	10/14/19 15:58	1
Arsenic	8.2		0.55	0.19	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Barium	36		0.55	0.063	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Beryllium	0.75		0.22	0.051	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Cadmium	<0.11		0.11	0.020	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Calcium	46000		110	19	mg/Kg	☼	10/10/19 17:13	10/14/19 16:02	10
Chromium	18		0.55	0.27	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Cobalt	14		0.28	0.072	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Copper	34		0.55	0.15	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Iron	21000		11	5.7	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Lead	16		0.28	0.13	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Magnesium	24000		5.5	2.7	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Manganese	310	B	0.55	0.080	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Nickel	38		0.55	0.16	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Potassium	3200		28	9.8	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	10/10/19 17:13	10/14/19 15:58	1
Silver	2.3		0.28	0.071	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Sodium	280		55	8.2	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Thallium	1.1		0.55	0.27	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Vanadium	22		0.28	0.065	mg/Kg	☼	10/10/19 17:13	10/11/19 21:14	1
Zinc	45		1.1	0.48	mg/Kg	☼	10/10/19 17:13	10/14/19 15:58	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/09/19 10:15	10/10/19 12:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/09/19 10:15	10/10/19 09:00	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.020	0.0065	mg/Kg	☼	10/08/19 15:00	10/09/19 09:32	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/08/19 19:57	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(15-20)-100219**

**Lab Sample ID: 500-171160-4**

**Date Collected: 10/02/19 23:35**

**Matrix: Solid**

**Date Received: 10/03/19 15:07**

**Percent Solids: 83.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Acetone	<0.018		0.018	0.0078	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	10/03/19 17:45	10/10/19 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	10/03/19 17:45	10/10/19 19:30	1
4-Bromofluorobenzene (Surr)	93		75 - 131	10/03/19 17:45	10/10/19 19:30	1
Dibromofluoromethane	103		75 - 126	10/03/19 17:45	10/10/19 19:30	1
Toluene-d8 (Surr)	97		75 - 124	10/03/19 17:45	10/10/19 19:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(15-20)-100219**

**Lab Sample ID: 500-171160-4**

Date Collected: 10/02/19 23:35

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
<b>2-Methylnaphthalene</b>	<b>0.050</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
<b>Acenaphthene</b>	<b>0.012</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
<b>Benzo[g,h,i]perylene</b>	<b>0.022</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
<b>Chrysene</b>	<b>0.036</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
<b>Fluorene</b>	<b>0.010</b>	<b>J</b>	0.040	0.0056	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(15-20)-100219**

**Lab Sample ID: 500-171160-4**

Date Collected: 10/02/19 23:35

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
<b>Phenanthrene</b>	<b>0.17</b>		0.040	0.0056	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1
<b>Pyrene</b>	<b>0.028</b>	<b>J</b>	0.040	0.0079	mg/Kg	☼	10/10/19 15:55	10/11/19 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	69		31 - 143	10/10/19 15:55	10/11/19 17:46	1
2-Fluorobiphenyl	86		43 - 145	10/10/19 15:55	10/11/19 17:46	1
2-Fluorophenol	110		31 - 166	10/10/19 15:55	10/11/19 17:46	1
Nitrobenzene-d5	73		37 - 147	10/10/19 15:55	10/11/19 17:46	1
Phenol-d5	107		30 - 153	10/10/19 15:55	10/11/19 17:46	1
Terphenyl-d14	104		42 - 157	10/10/19 15:55	10/11/19 17:46	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/10/19 14:42	10/11/19 18:19	1
<b>Barium</b>	<b>0.086</b>	<b>J</b>	0.50	0.050	mg/L		10/10/19 14:42	10/11/19 18:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/10/19 14:42	10/11/19 18:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/10/19 14:42	10/11/19 18:19	1
Chromium	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:19	1
<b>Cobalt</b>	<b>0.031</b>		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:19	1
<b>Copper</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:19	1
Iron	<0.40		0.40	0.20	mg/L		10/10/19 14:42	10/11/19 18:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/10/19 14:42	10/11/19 18:19	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:19	1
<b>Nickel</b>	<b>0.067</b>		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:19	1
Selenium	<0.050		0.050	0.020	mg/L		10/10/19 14:42	10/11/19 18:19	1
Silver	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:19	1
Zinc	<0.50		0.50	0.020	mg/L		10/10/19 14:42	10/11/19 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 08:21	10/12/19 16:16	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 08:21	10/12/19 16:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 08:21	10/12/19 16:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 08:21	10/12/19 16:16	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:16	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:16	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:16	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 08:21	10/12/19 16:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 08:21	10/12/19 16:16	1
<b>Manganese</b>	<b>0.030</b>		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:16	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:16	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 08:21	10/12/19 16:16	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(15-20)-100219**

**Lab Sample ID: 500-171160-4**

Date Collected: 10/02/19 23:35

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:16	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 08:21	10/12/19 16:16	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.61	J	1.1	0.22	mg/Kg	☼	10/10/19 17:13	10/14/19 16:06	1
Arsenic	8.3		0.56	0.19	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Barium	35		0.56	0.064	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Beryllium	0.70		0.23	0.053	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Cadmium	<0.11		0.11	0.020	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Calcium	55000		110	19	mg/Kg	☼	10/10/19 17:13	10/14/19 16:10	10
Chromium	18		0.56	0.28	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Cobalt	14		0.28	0.074	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Copper	30		0.56	0.16	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Iron	20000		11	5.9	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Lead	16		0.28	0.13	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Magnesium	27000		5.6	2.8	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Manganese	370	B	0.56	0.082	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Nickel	36		0.56	0.16	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Potassium	3100		28	10	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	10/10/19 17:13	10/14/19 16:06	1
Silver	2.1		0.28	0.073	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Sodium	230		56	8.3	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Thallium	1.1		0.56	0.28	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Vanadium	20		0.28	0.067	mg/Kg	☼	10/10/19 17:13	10/11/19 21:18	1
Zinc	44		1.1	0.50	mg/Kg	☼	10/10/19 17:13	10/14/19 16:06	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/09/19 10:15	10/10/19 12:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/09/19 10:15	10/10/19 09:01	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.019	0.0062	mg/Kg	☼	10/08/19 15:00	10/09/19 09:34	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/08/19 19:57	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(20-26)-100219**

**Lab Sample ID: 500-171160-5**

**Date Collected: 10/02/19 23:50**

**Matrix: Solid**

**Date Received: 10/03/19 15:07**

**Percent Solids: 78.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00065	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00062	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00083	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00068	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Acetone	<0.019		0.019	0.0084	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Carbon disulfide	<0.0048		0.0048	0.0010	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Chlorobenzene	<0.0019		0.0019	0.00071	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Chloroform	<0.0019		0.0019	0.00067	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Ethylbenzene	<0.0019		0.0019	0.00092	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0021	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00057	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Tetrachloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Toluene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00086	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00068	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Vinyl chloride	<0.0019		0.0019	0.00086	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1
Xylenes, Total	<0.0039		0.0039	0.00062	mg/Kg	☼	10/03/19 17:45	10/11/19 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	10/03/19 17:45	10/11/19 14:20	1
4-Bromofluorobenzene (Surr)	105		75 - 131	10/03/19 17:45	10/11/19 14:20	1
Dibromofluoromethane	89		75 - 126	10/03/19 17:45	10/11/19 14:20	1
Toluene-d8 (Surr)	95		75 - 124	10/03/19 17:45	10/11/19 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(20-26)-100219**

**Lab Sample ID: 500-171160-5**

Date Collected: 10/02/19 23:50

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 78.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.42		0.42	0.095	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
2,4,6-Trichlorophenol	<0.42		0.42	0.14	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
2,4-Dichlorophenol	<0.42		0.42	0.099	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
2,4-Dinitrophenol	<0.84		0.84	0.74	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
<b>2-Methylnaphthalene</b>	<b>0.040</b>	<b>J</b>	0.084	0.0077	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
2-Nitrophenol	<0.42		0.42	0.099	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
3 & 4 Methylphenol	<0.21		0.21	0.070	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.34	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
4-Nitroaniline	<0.42		0.42	0.17	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
<b>Acenaphthene</b>	<b>0.015</b>	<b>J</b>	0.042	0.0075	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Acenaphthylene	<0.042		0.042	0.0055	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Anthracene	<0.042		0.042	0.0070	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Benzo[a]anthracene	<0.042		0.042	0.0056	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Benzo[a]pyrene	<0.042		0.042	0.0081	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Benzo[b]fluoranthene	<0.042		0.042	0.0090	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
<b>Benzo[g,h,i]perylene</b>	<b>0.020</b>	<b>J</b>	0.042	0.013	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Benzo[k]fluoranthene	<0.042		0.042	0.012	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
<b>Chrysene</b>	<b>0.031</b>	<b>J</b>	0.042	0.011	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0081	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Fluoranthene	<0.042		0.042	0.0077	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
<b>Fluorene</b>	<b>0.0097</b>	<b>J</b>	0.042	0.0059	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Hexachlorobenzene	<0.084		0.084	0.0097	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Hexachloroethane	<0.21		0.21	0.064	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(20-26)-100219**

**Lab Sample ID: 500-171160-5**

Date Collected: 10/02/19 23:50

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 78.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.042		0.042	0.011	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Naphthalene	<0.042		0.042	0.0064	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Nitrobenzene	<0.042		0.042	0.010	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
<b>Phenanthrene</b>	<b>0.12</b>		0.042	0.0058	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
Phenol	<0.21		0.21	0.093	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1
<b>Pyrene</b>	<b>0.024</b>	<b>J</b>	0.042	0.0083	mg/Kg	☼	10/10/19 15:55	10/11/19 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	65		31 - 143	10/10/19 15:55	10/11/19 18:15	1
2-Fluorobiphenyl	94		43 - 145	10/10/19 15:55	10/11/19 18:15	1
2-Fluorophenol	121		31 - 166	10/10/19 15:55	10/11/19 18:15	1
Nitrobenzene-d5	81		37 - 147	10/10/19 15:55	10/11/19 18:15	1
Phenol-d5	103		30 - 153	10/10/19 15:55	10/11/19 18:15	1
Terphenyl-d14	98		42 - 157	10/10/19 15:55	10/11/19 18:15	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/10/19 14:42	10/11/19 18:23	1
<b>Barium</b>	<b>0.24</b>	<b>J</b>	0.50	0.050	mg/L		10/10/19 14:42	10/11/19 18:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/10/19 14:42	10/11/19 18:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/10/19 14:42	10/11/19 18:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:23	1
<b>Cobalt</b>	<b>0.023</b>	<b>J</b>	0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:23	1
Copper	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:23	1
Iron	<0.40		0.40	0.20	mg/L		10/10/19 14:42	10/11/19 18:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/10/19 14:42	10/11/19 18:23	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:23	1
<b>Nickel</b>	<b>0.056</b>		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:23	1
Selenium	<0.050		0.050	0.020	mg/L		10/10/19 14:42	10/11/19 18:23	1
Silver	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:23	1
Zinc	<0.50		0.50	0.020	mg/L		10/10/19 14:42	10/11/19 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 08:21	10/12/19 16:20	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 08:21	10/12/19 16:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 08:21	10/12/19 16:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 08:21	10/12/19 16:20	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:20	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:20	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:20	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 08:21	10/12/19 16:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 08:21	10/12/19 16:20	1
<b>Manganese</b>	<b>0.026</b>		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:20	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:20	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 08:21	10/12/19 16:20	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(20-26)-100219**

**Lab Sample ID: 500-171160-5**

Date Collected: 10/02/19 23:50

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 78.9

**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		10/11/19 08:21	10/12/19 16:20	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 08:21	10/12/19 16:20	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	☼	10/10/19 17:13	10/14/19 16:14	1
Arsenic	7.4		0.59	0.20	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Barium	41		0.59	0.067	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Beryllium	0.77		0.24	0.055	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Calcium	60000		120	20	mg/Kg	☼	10/10/19 17:13	10/14/19 16:18	10
Chromium	20		0.59	0.29	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Cobalt	14		0.29	0.077	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Copper	27		0.59	0.16	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Iron	21000		12	6.1	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Lead	16		0.29	0.14	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Magnesium	26000		5.9	2.9	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Manganese	340	B	0.59	0.085	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Nickel	36		0.59	0.17	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Potassium	3500		29	10	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	10/10/19 17:13	10/14/19 16:14	1
Silver	2.5		0.29	0.076	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Sodium	250		59	8.7	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Thallium	1.2		0.59	0.29	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Vanadium	24		0.29	0.069	mg/Kg	☼	10/10/19 17:13	10/11/19 21:22	1
Zinc	52		1.2	0.52	mg/Kg	☼	10/10/19 17:13	10/14/19 16:14	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/09/19 10:15	10/10/19 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/09/19 10:15	10/10/19 09:03	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.020	0.0065	mg/Kg	☼	10/08/19 15:00	10/09/19 09:47	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/08/19 19:57	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(20-26)-100219D**

**Lab Sample ID: 500-171160-6**

**Date Collected: 10/02/19 23:50**

**Matrix: Solid**

**Date Received: 10/03/19 15:07**

**Percent Solids: 79.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00079	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
1,1-Dichloroethene	<0.0018		0.0018	0.00064	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
1,2-Dichloropropane	<0.0018		0.0018	0.00048	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00065	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Acetone	<0.018		0.018	0.0080	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Bromodichloromethane	<0.0018		0.0018	0.00038	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Bromoform	<0.0018		0.0018	0.00054	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Carbon disulfide	<0.0046		0.0046	0.00096	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Carbon tetrachloride	<0.0018		0.0018	0.00054	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Chlorobenzene	<0.0018		0.0018	0.00068	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Chloroform	<0.0018		0.0018	0.00064	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Chloromethane	<0.0046		0.0046	0.0019	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00052	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00056	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0021	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Styrene	<0.0018		0.0018	0.00056	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Tetrachloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Toluene	<0.0018		0.0018	0.00047	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00082	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Vinyl chloride	<0.0018		0.0018	0.00082	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	10/03/19 17:45	10/11/19 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	10/03/19 17:45	10/11/19 14:45	1
4-Bromofluorobenzene (Surr)	111		75 - 131	10/03/19 17:45	10/11/19 14:45	1
Dibromofluoromethane	89		75 - 126	10/03/19 17:45	10/11/19 14:45	1
Toluene-d8 (Surr)	93		75 - 124	10/03/19 17:45	10/11/19 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(20-26)-100219D**

**Lab Sample ID: 500-171160-6**

Date Collected: 10/02/19 23:50

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.095	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
2,4-Dichlorophenol	<0.41		0.41	0.099	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
2,4-Dinitrophenol	<0.84		0.84	0.73	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
<b>2-Methylnaphthalene</b>	<b>0.036</b>	<b>J</b>	0.084	0.0077	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
<b>Acenaphthene</b>	<b>0.011</b>	<b>J</b>	0.041	0.0075	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Anthracene	<0.041		0.041	0.0070	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Benzo[a]pyrene	<0.041		0.041	0.0081	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Benzo[b]fluoranthene	<0.041		0.041	0.0090	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
<b>Benzo[g,h,i]perylene</b>	<b>0.017</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
<b>Chrysene</b>	<b>0.023</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
<b>Fluorene</b>	<b>0.0072</b>	<b>J</b>	0.041	0.0059	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Hexachlorobenzene	<0.084		0.084	0.0097	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(20-26)-100219D**

**Lab Sample ID: 500-171160-6**

Date Collected: 10/02/19 23:50

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
<b>Phenanthrene</b>	<b>0.099</b>		0.041	0.0058	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
Phenol	<0.21		0.21	0.093	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1
<b>Pyrene</b>	<b>0.019</b>	<b>J</b>	0.041	0.0083	mg/Kg	☼	10/10/19 15:55	10/11/19 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	58		31 - 143	10/10/19 15:55	10/11/19 18:45	1
2-Fluorobiphenyl	83		43 - 145	10/10/19 15:55	10/11/19 18:45	1
2-Fluorophenol	90		31 - 166	10/10/19 15:55	10/11/19 18:45	1
Nitrobenzene-d5	71		37 - 147	10/10/19 15:55	10/11/19 18:45	1
Phenol-d5	76		30 - 153	10/10/19 15:55	10/11/19 18:45	1
Terphenyl-d14	93		42 - 157	10/10/19 15:55	10/11/19 18:45	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		10/10/19 14:42	10/11/19 18:27	1
<b>Barium</b>	<b>0.28</b>	<b>J</b>	0.50	0.050	mg/L		10/10/19 14:42	10/11/19 18:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/10/19 14:42	10/11/19 18:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/10/19 14:42	10/11/19 18:27	1
Chromium	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:27	1
<b>Cobalt</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:27	1
Copper	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:27	1
Iron	<0.40		0.40	0.20	mg/L		10/10/19 14:42	10/11/19 18:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/10/19 14:42	10/11/19 18:27	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:27	1
<b>Nickel</b>	<b>0.041</b>		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/10/19 14:42	10/11/19 18:27	1
Silver	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:27	1
Zinc	<0.50		0.50	0.020	mg/L		10/10/19 14:42	10/11/19 18:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 08:21	10/12/19 16:24	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 08:21	10/12/19 16:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 08:21	10/12/19 16:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 08:21	10/12/19 16:24	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:24	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:24	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:24	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 08:21	10/12/19 16:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 08:21	10/12/19 16:24	1
<b>Manganese</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:24	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:24	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 08:21	10/12/19 16:24	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(20-26)-100219D**

**Lab Sample ID: 500-171160-6**

Date Collected: 10/02/19 23:50

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 79.5

**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		10/11/19 08:21	10/12/19 16:24	1
Zinc	0.027	J	0.50	0.020	mg/L		10/11/19 08:21	10/12/19 16:24	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.39	J	1.2	0.23	mg/Kg	☼	10/10/19 17:13	10/14/19 16:22	1
Arsenic	9.1		0.60	0.20	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Barium	38		0.60	0.068	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Beryllium	0.77		0.24	0.056	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Cadmium	<0.12		0.12	0.022	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Calcium	56000		120	20	mg/Kg	☼	10/10/19 17:13	10/14/19 16:34	10
Chromium	19		0.60	0.30	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Cobalt	14		0.30	0.079	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Copper	28		0.60	0.17	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Iron	22000		12	6.2	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Lead	15		0.30	0.14	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Magnesium	26000		6.0	3.0	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Manganese	350	B	0.60	0.087	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Nickel	37		0.60	0.17	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Potassium	3100		30	11	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	10/10/19 17:13	10/14/19 16:22	1
Silver	2.3		0.30	0.077	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Sodium	240		60	8.9	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Thallium	1.1		0.60	0.30	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Vanadium	22		0.30	0.071	mg/Kg	☼	10/10/19 17:13	10/11/19 21:27	1
Zinc	86		1.2	0.53	mg/Kg	☼	10/10/19 17:13	10/14/19 16:22	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/09/19 10:15	10/10/19 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/09/19 10:15	10/10/19 09:04	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.020	0.0067	mg/Kg	☼	10/08/19 15:00	10/09/19 09:49	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/08/19 19:57	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(26-32)-100219**

**Lab Sample ID: 500-171160-7**

**Date Collected: 10/03/19 00:06**

**Matrix: Solid**

**Date Received: 10/03/19 15:07**

**Percent Solids: 79.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Acetone	<0.018		0.018	0.0077	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Bromoform	<0.0018		0.0018	0.00051	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Ethylbenzene	<0.0018		0.0018	0.00084	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0020	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Toluene	<0.0018		0.0018	0.00044	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/03/19 17:45	10/11/19 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		70 - 134	10/03/19 17:45	10/11/19 15:11	1
4-Bromofluorobenzene (Surr)	103		75 - 131	10/03/19 17:45	10/11/19 15:11	1
Dibromofluoromethane	89		75 - 126	10/03/19 17:45	10/11/19 15:11	1
Toluene-d8 (Surr)	94		75 - 124	10/03/19 17:45	10/11/19 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(26-32)-100219**

**Lab Sample ID: 500-171160-7**

Date Collected: 10/03/19 00:06

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
2,4-Dichlorophenol	<0.40		0.40	0.097	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
<b>2-Methylnaphthalene</b>	<b>0.059</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.048	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
<b>Acenaphthene</b>	<b>0.011</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Benzo[a]pyrene	<0.040		0.040	0.0079	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
<b>Benzo[b]fluoranthene</b>	<b>0.013</b>	<b>J</b>	0.040	0.0088	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
<b>Benzo[g,h,i]perylene</b>	<b>0.023</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.042	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
<b>Chrysene</b>	<b>0.033</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
<b>Fluoranthene</b>	<b>0.0092</b>	<b>J</b>	0.040	0.0075	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
<b>Fluorene</b>	<b>0.011</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(26-32)-100219**

**Lab Sample ID: 500-171160-7**

Date Collected: 10/03/19 00:06

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.011	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Naphthalene	<0.040		0.040	0.0063	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
<b>Phenanthrene</b>	<b>0.14</b>		0.040	0.0057	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1
<b>Pyrene</b>	<b>0.028</b>	<b>J</b>	0.040	0.0081	mg/Kg	☼	10/10/19 15:55	10/11/19 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	66		31 - 143	10/10/19 15:55	10/11/19 19:15	1
2-Fluorobiphenyl	99		43 - 145	10/10/19 15:55	10/11/19 19:15	1
2-Fluorophenol	137		31 - 166	10/10/19 15:55	10/11/19 19:15	1
Nitrobenzene-d5	85		37 - 147	10/10/19 15:55	10/11/19 19:15	1
Phenol-d5	127		30 - 153	10/10/19 15:55	10/11/19 19:15	1
Terphenyl-d14	105		42 - 157	10/10/19 15:55	10/11/19 19:15	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/10/19 14:42	10/11/19 18:32	1
<b>Barium</b>	<b>0.39</b>	<b>J</b>	0.50	0.050	mg/L		10/10/19 14:42	10/11/19 18:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/10/19 14:42	10/11/19 18:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/10/19 14:42	10/11/19 18:32	1
Chromium	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:32	1
<b>Cobalt</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:32	1
Copper	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:32	1
Iron	<0.40		0.40	0.20	mg/L		10/10/19 14:42	10/11/19 18:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/10/19 14:42	10/11/19 18:32	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:32	1
<b>Nickel</b>	<b>0.040</b>		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/10/19 14:42	10/11/19 18:32	1
Silver	<0.025		0.025	0.010	mg/L		10/10/19 14:42	10/11/19 18:32	1
Zinc	<0.50		0.50	0.020	mg/L		10/10/19 14:42	10/11/19 18:32	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		10/11/19 08:21	10/12/19 16:29	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 08:21	10/12/19 16:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 08:21	10/12/19 16:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 08:21	10/12/19 16:29	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:29	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:29	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:29	1
<b>Iron</b>	<b>0.31</b>	<b>J</b>	0.40	0.20	mg/L		10/11/19 08:21	10/12/19 16:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 08:21	10/12/19 16:29	1
<b>Manganese</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:29	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:29	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 08:21	10/12/19 16:29	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

**Client Sample ID: ROW-88(26-32)-100219**

**Lab Sample ID: 500-171160-7**

Date Collected: 10/03/19 00:06

Matrix: Solid

Date Received: 10/03/19 15:07

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 08:21	10/12/19 16:29	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 08:21	10/12/19 16:29	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.30	J	1.2	0.23	mg/Kg	☼	10/10/19 17:13	10/14/19 16:38	1
Arsenic	7.4		0.58	0.20	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Barium	41		0.58	0.066	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Beryllium	0.80		0.23	0.054	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Calcium	56000		120	20	mg/Kg	☼	10/10/19 17:13	10/14/19 16:42	10
Chromium	20		0.58	0.29	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Cobalt	14		0.29	0.076	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Copper	25		0.58	0.16	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Iron	20000		12	6.0	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Lead	14		0.29	0.13	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Magnesium	25000		5.8	2.9	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Manganese	320	B	0.58	0.084	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Nickel	37		0.58	0.17	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Potassium	3500		29	10	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Selenium	0.37	J	0.58	0.34	mg/Kg	☼	10/10/19 17:13	10/14/19 16:38	1
Silver	2.4		0.29	0.075	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Sodium	230		58	8.6	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Thallium	1.1		0.58	0.29	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Vanadium	24		0.29	0.068	mg/Kg	☼	10/10/19 17:13	10/11/19 21:31	1
Zinc	50		1.2	0.51	mg/Kg	☼	10/10/19 17:13	10/14/19 16:38	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/09/19 10:15	10/10/19 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/09/19 10:15	10/10/19 09:16	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.020	0.0068	mg/Kg	☼	10/08/19 15:00	10/09/19 09:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			10/08/19 19:57	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171160-1

## Qualifiers

### 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.
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 - Circle Interchange-WO 003

Job ID: 500-171160-1

## 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	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 60  
Phone: 708.534.5200 Fax: 708.534



500-171160 COC

Report To (optional)  
Contact: Andris Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: SAMF  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171160  
Chain of Custody Number: \_\_\_\_\_  
Page 1 of 1  
Temperature °C of Cooler: 2.3

Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	Preservative						Comments							
			Date	Time			1	2	3	4	5	6		7	8	9				
1		ROW-88(0-5)-100219	10/2/19	2315	6	S	X	X	X	X	X									
2		ROW-88(5-10)-100219		2320	6	S														
3		ROW-88(10-15)-100219		2327	6	S														
4		ROW-88(15-20)-100219		2335	6	S														
5		ROW-88(20-26)-100219		2350	6	S														
6		ROW-88(20-26)-100219		2350	6	S														
7		ROW-88(26-32)-100319	10/3/19	0006	6	S														

- Preservative Key
- HCL, Cool to 4°
  - H2SO4, Cool to 4°
  - HNO3, Cool to 4°
  - NaOH, Cool to 4°
  - NaOH/Zn, Cool to 4°
  - NaHSO4
  - Cool to 4°
  - None
  - Other

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

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

Relinquished By: <u>[Signature]</u> Company: <u>WS</u> Date: <u>10/3/19</u> Time: <u>1410</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/3/19</u> Time: <u>1410</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/3/19</u> Time: <u>1507</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/3/19</u> Time: <u>1507</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

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

Client Comments: \_\_\_\_\_  
 Lab Comments: \_\_\_\_\_

## ANALYTICAL REPORT

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

Laboratory Job ID: 500-171265-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

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

Attn: Mr. Andris Slesers

*Jodie Bracken*

Authorized for release by:  
10/16/2019 4:51:10 PM

Jodie Bracken, Project Management Assistant II  
[jodie.bracken@testamericainc.com](mailto:jodie.bracken@testamericainc.com)

Designee for

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

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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

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

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

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (5-10)-100319**

**Lab Sample ID: 500-171265-1**

**Date Collected: 10/03/19 22:50**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 78.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00082	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00067	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Acetone	<0.019		0.019	0.0084	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
<b>Carbon disulfide</b>	<b>0.0073</b>		0.0048	0.0010	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Chlorobenzene	<0.0019		0.0019	0.00071	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Chloroform	<0.0019		0.0019	0.00067	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Ethylbenzene	<0.0019		0.0019	0.00092	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0021	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Tetrachloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Toluene	<0.0019		0.0019	0.00048	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00085	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00067	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Vinyl chloride	<0.0019		0.0019	0.00085	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1
Xylenes, Total	<0.0038		0.0038	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/04/19 16:56	10/11/19 20:30	1
4-Bromofluorobenzene (Surr)	90		75 - 131	10/04/19 16:56	10/11/19 20:30	1
Dibromofluoromethane	101		75 - 126	10/04/19 16:56	10/11/19 20:30	1
Toluene-d8 (Surr)	92		75 - 124	10/04/19 16:56	10/11/19 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
2,2'-oxybis[1-chloropropane]	<0.21	F1	0.21	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (5-10)-100319**

**Lab Sample ID: 500-171265-1**

Date Collected: 10/03/19 22:50

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 78.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.095	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
2,4-Dichlorophenol	<0.41		0.41	0.099	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
2,4-Dinitrophenol	<0.84	F1	0.84	0.73	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
2-Chlorophenol	<0.21	F1 F2	0.21	0.071	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
<b>2-Methylnaphthalene</b>	<b>0.029</b>	<b>J</b>	0.084	0.0077	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
2-Nitrophenol	<0.41		0.41	0.099	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
3 & 4 Methylphenol	<0.21		0.21	0.070	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
3,3'-Dichlorobenzidine	<0.21	F1	0.21	0.058	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.34	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
4-Nitrophenol	<0.84	F2	0.84	0.40	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
<b>Acenaphthene</b>	<b>0.035</b>	<b>J</b>	0.041	0.0075	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
<b>Anthracene</b>	<b>0.052</b>		0.041	0.0070	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
<b>Benzo[a]anthracene</b>	<b>0.096</b>		0.041	0.0056	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
<b>Benzo[a]pyrene</b>	<b>0.097</b>		0.041	0.0081	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
<b>Benzo[b]fluoranthene</b>	<b>0.093</b>		0.041	0.0090	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
<b>Benzo[g,h,i]perylene</b>	<b>0.041</b>	<b>F1</b>	0.041	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
<b>Benzo[k]fluoranthene</b>	<b>0.045</b>	<b>F1</b>	0.041	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Bis(2-chloroethyl)ether	<0.21	F1 F2	0.21	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Bis(2-ethylhexyl) phthalate	<0.21	F1	0.21	0.076	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Butyl benzyl phthalate	<0.21	F1	0.21	0.079	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
<b>Chrysene</b>	<b>0.10</b>		0.041	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
<b>Dibenz(a,h)anthracene</b>	<b>0.017</b>	<b>J F1</b>	0.041	0.0081	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
<b>Fluoranthene</b>	<b>0.19</b>	<b>F1</b>	0.041	0.0077	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
<b>Fluorene</b>	<b>0.037</b>	<b>J</b>	0.041	0.0059	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Hexachlorobenzene	<0.084		0.084	0.0097	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Hexachlorocyclopentadiene	<0.84	F1	0.84	0.24	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (5-10)-100319**

**Lab Sample ID: 500-171265-1**

Date Collected: 10/03/19 22:50

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 78.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.040</b>	<b>J F1</b>	0.041	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
<b>Naphthalene</b>	<b>0.056</b>		0.041	0.0064	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
<b>Phenanthrene</b>	<b>0.25</b>		0.041	0.0058	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
Phenol	<0.21	F1 F2	0.21	0.093	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
<b>Pyrene</b>	<b>0.18</b>	<b>F1</b>	0.041	0.0083	mg/Kg	☼	10/11/19 08:21	10/11/19 16:40	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	65		31 - 143				10/11/19 08:21	10/11/19 16:40	1
2-Fluorobiphenyl	77		43 - 145				10/11/19 08:21	10/11/19 16:40	1
2-Fluorophenol	94		31 - 166				10/11/19 08:21	10/11/19 16:40	1
Nitrobenzene-d5	70		37 - 147				10/11/19 08:21	10/11/19 16:40	1
Phenol-d5	120		30 - 153				10/11/19 08:21	10/11/19 16:40	1
Terphenyl-d14	87		42 - 157				10/11/19 08:21	10/11/19 16:40	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 00:22	1
<b>Barium</b>	<b>0.076</b>	<b>J</b>	0.50	0.050	mg/L		10/11/19 15:19	10/13/19 00:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 00:22	1
<b>Cadmium</b>	<b>0.0024</b>	<b>J</b>	0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 00:22	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:22	1
<b>Cobalt</b>	<b>0.050</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:22	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:22	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 00:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:13	10/16/19 13:01	1
<b>Manganese</b>	<b>3.6</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:22	1
<b>Nickel</b>	<b>0.037</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:22	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 00:22	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:22	1
<b>Zinc</b>	<b>0.025</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:19	10/13/19 00:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:16	10/12/19 20:51	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 20:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 20:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 20:51	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 20:51	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 20:51	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 20:51	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 20:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 20:51	1
Manganese	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 20:51	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 20:51	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 20:51	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (5-10)-100319**

**Lab Sample ID: 500-171265-1**

Date Collected: 10/03/19 22:50

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 78.5

**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		10/11/19 15:16	10/12/19 20:51	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:16	10/12/19 20:51	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.61	J F1 B	1.2	0.23	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Arsenic	5.6		0.60	0.21	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Barium	42		0.60	0.068	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Beryllium	0.78		0.24	0.056	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Cadmium	0.054	J F1 B	0.12	0.022	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Calcium	32000	F2 B	12	2.0	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Chromium	17		0.60	0.30	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Cobalt	13		0.30	0.079	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Copper	31		0.60	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Iron	18000		12	6.2	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Lead	28	F2	0.30	0.14	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Magnesium	19000		6.0	3.0	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Manganese	270		0.60	0.087	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Nickel	39		0.60	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Potassium	3700		30	11	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Selenium	0.72	F1	0.60	0.35	mg/Kg	☼	10/12/19 17:23	10/16/19 09:27	1
Silver	2.6		0.30	0.077	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Sodium	1600		60	8.9	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Thallium	1.1	F1	0.60	0.30	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Vanadium	19		0.30	0.071	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1
Zinc	72	F2 F1	1.2	0.53	mg/Kg	☼	10/12/19 17:23	10/14/19 22:29	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 10:33	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039		0.018	0.0061	mg/Kg	☼	10/08/19 15:00	10/09/19 08:13	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			10/08/19 20:25	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (10-15)-100319**

**Lab Sample ID: 500-171265-2**

**Date Collected: 10/03/19 23:00**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 79.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Acetone	<0.017		0.017	0.0073	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Chloroethane	<0.0042		0.0042	0.0012	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/04/19 16:56	10/11/19 12:31	1
4-Bromofluorobenzene (Surr)	91		75 - 131	10/04/19 16:56	10/11/19 12:31	1
Dibromofluoromethane	103		75 - 126	10/04/19 16:56	10/11/19 12:31	1
Toluene-d8 (Surr)	95		75 - 124	10/04/19 16:56	10/11/19 12:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (10-15)-100319**

**Lab Sample ID: 500-171265-2**

**Date Collected: 10/03/19 23:00**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 79.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
<b>Benzo[a]anthracene</b>	<b>0.011</b>	<b>J</b>	0.040	0.0055	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
<b>Benzo[a]pyrene</b>	<b>0.019</b>	<b>J</b>	0.040	0.0079	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
<b>Benzo[b]fluoranthene</b>	<b>0.019</b>	<b>J</b>	0.040	0.0088	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
<b>Benzo[g,h,i]perylene</b>	<b>0.013</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
<b>Chrysene</b>	<b>0.023</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
<b>Fluoranthene</b>	<b>0.018</b>	<b>J</b>	0.040	0.0075	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (10-15)-100319**

**Lab Sample ID: 500-171265-2**

Date Collected: 10/03/19 23:00

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
<b>Phenanthrene</b>	<b>0.061</b>		0.040	0.0057	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1
<b>Pyrene</b>	<b>0.027</b>	<b>J</b>	0.040	0.0081	mg/Kg	☼	10/11/19 08:21	10/11/19 17:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	55		31 - 143	10/11/19 08:21	10/11/19 17:05	1
2-Fluorobiphenyl	79		43 - 145	10/11/19 08:21	10/11/19 17:05	1
2-Fluorophenol	94		31 - 166	10/11/19 08:21	10/11/19 17:05	1
Nitrobenzene-d5	75		37 - 147	10/11/19 08:21	10/11/19 17:05	1
Phenol-d5	117		30 - 153	10/11/19 08:21	10/11/19 17:05	1
Terphenyl-d14	90		42 - 157	10/11/19 08:21	10/11/19 17:05	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		10/11/19 15:19	10/13/19 00:26	1
<b>Barium</b>	<b>0.078</b>	<b>J</b>	0.50	0.050	mg/L		10/11/19 15:19	10/13/19 00:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 00:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 00:26	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:26	1
<b>Cobalt</b>	<b>0.039</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:26	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:26	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 00:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 00:26	1
<b>Manganese</b>	<b>1.3</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:26	1
<b>Nickel</b>	<b>0.085</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:26	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 00:26	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:26	1
<b>Zinc</b>	<b>0.028</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:19	10/13/19 00:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:16	10/12/19 20:55	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 20:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 20:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 20:55	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 20:55	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 20:55	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 20:55	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 20:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 20:55	1
<b>Manganese</b>	<b>0.020</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:16	10/12/19 20:55	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 20:55	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 20:55	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (10-15)-100319**

**Lab Sample ID: 500-171265-2**

Date Collected: 10/03/19 23:00

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.5

**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		10/11/19 15:16	10/12/19 20:55	1
<b>Zinc</b>	<b>0.024</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:16	10/12/19 20:55	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.45</b>	<b>J B</b>	1.2	0.23	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Arsenic</b>	<b>6.0</b>		0.59	0.20	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Barium</b>	<b>36</b>		0.59	0.067	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Beryllium</b>	<b>0.73</b>		0.24	0.055	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Calcium</b>	<b>31000</b>	<b>B</b>	12	2.0	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Chromium</b>	<b>17</b>		0.59	0.29	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Cobalt</b>	<b>10</b>		0.29	0.077	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Copper</b>	<b>34</b>		0.59	0.16	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Iron</b>	<b>20000</b>		12	6.1	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Lead</b>	<b>16</b>		0.29	0.14	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Magnesium</b>	<b>21000</b>		5.9	2.9	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Manganese</b>	<b>290</b>		0.59	0.085	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Nickel</b>	<b>39</b>		0.59	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Potassium</b>	<b>3500</b>		29	10	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Selenium</b>	<b>0.79</b>		0.59	0.35	mg/Kg	☼	10/12/19 17:23	10/16/19 09:47	1
<b>Silver</b>	<b>2.6</b>		0.29	0.076	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Sodium</b>	<b>1100</b>		59	8.7	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Thallium</b>	<b>1.1</b>		0.59	0.29	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Vanadium</b>	<b>19</b>		0.29	0.070	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1
<b>Zinc</b>	<b>56</b>		1.2	0.52	mg/Kg	☼	10/12/19 17:23	10/14/19 22:57	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 10:34	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.021</b>		0.020	0.0067	mg/Kg	☼	10/08/19 15:00	10/09/19 08:16	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.2</b>		0.2	0.2	SU			10/08/19 20:25	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (15-20)-100319**

**Lab Sample ID: 500-171265-3**

**Date Collected: 10/03/19 23:10**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 80.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Acetone	<0.018		0.018	0.0079	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/04/19 16:56	10/11/19 12:57	1
4-Bromofluorobenzene (Surr)	92		75 - 131	10/04/19 16:56	10/11/19 12:57	1
Dibromofluoromethane	102		75 - 126	10/04/19 16:56	10/11/19 12:57	1
Toluene-d8 (Surr)	95		75 - 124	10/04/19 16:56	10/11/19 12:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (15-20)-100319**

**Lab Sample ID: 500-171265-3**

Date Collected: 10/03/19 23:10

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
<b>2-Methylnaphthalene</b>	<b>0.018</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
<b>Acenaphthene</b>	<b>0.0090</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (15-20)-100319**

**Lab Sample ID: 500-171265-3**

Date Collected: 10/03/19 23:10

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.5

**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	<0.040		0.040	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
<b>Phenanthrene</b>	<b>0.075</b>		0.040	0.0056	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1
Pyrene	<0.040		0.040	0.0079	mg/Kg	☼	10/11/19 08:21	10/11/19 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	50		31 - 143	10/11/19 08:21	10/11/19 17:30	1
2-Fluorobiphenyl	77		43 - 145	10/11/19 08:21	10/11/19 17:30	1
2-Fluorophenol	111		31 - 166	10/11/19 08:21	10/11/19 17:30	1
Nitrobenzene-d5	65		37 - 147	10/11/19 08:21	10/11/19 17:30	1
Phenol-d5	109		30 - 153	10/11/19 08:21	10/11/19 17:30	1
Terphenyl-d14	86		42 - 157	10/11/19 08:21	10/11/19 17:30	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 00:30	1
<b>Barium</b>	<b>0.37</b>	<b>J</b>	0.50	0.050	mg/L		10/11/19 15:19	10/13/19 00:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 00:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 00:30	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:30	1
<b>Cobalt</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:30	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:30	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 00:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 00:30	1
<b>Manganese</b>	<b>2.0</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:30	1
<b>Nickel</b>	<b>0.046</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:30	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 00:30	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:30	1
<b>Zinc</b>	<b>0.020</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:19	10/13/19 00:30	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		10/11/19 15:16	10/12/19 20:59	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 20:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 20:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 20:59	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 20:59	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 20:59	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 20:59	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 20:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 20:59	1
<b>Manganese</b>	<b>0.033</b>		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 20:59	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 20:59	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 20:59	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (15-20)-100319**

**Lab Sample ID: 500-171265-3**

Date Collected: 10/03/19 23:10

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.5

**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		10/11/19 15:16	10/12/19 20:59	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:16	10/12/19 20:59	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.55	J B	1.2	0.23	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Arsenic	8.0		0.58	0.20	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Barium	38		0.58	0.066	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Beryllium	0.72		0.23	0.054	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Calcium	47000	B	120	20	mg/Kg	☼	10/12/19 17:23	10/15/19 11:37	10
Chromium	16		0.58	0.29	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Cobalt	15		0.29	0.076	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Copper	30		0.58	0.16	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Iron	19000		12	6.0	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Lead	14		0.29	0.13	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Magnesium	21000		5.8	2.9	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Manganese	290		0.58	0.084	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Nickel	38		0.58	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Potassium	3300		29	10	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Selenium	0.75		0.58	0.34	mg/Kg	☼	10/12/19 17:23	10/16/19 09:51	1
Silver	2.4		0.29	0.075	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Sodium	420		58	8.6	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Thallium	1.1		0.58	0.29	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Vanadium	19		0.29	0.068	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1
Zinc	49		1.2	0.51	mg/Kg	☼	10/12/19 17:23	10/14/19 23:01	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 10:36	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.019	0.0064	mg/Kg	☼	10/08/19 15:00	10/09/19 08:18	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/08/19 20:25	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (20-26)-100319**

**Lab Sample ID: 500-171265-4**

**Date Collected: 10/03/19 23:20**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 80.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00079	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Acetone	<0.018		0.018	0.0080	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Carbon disulfide	<0.0046		0.0046	0.00095	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Chlorobenzene	<0.0018		0.0018	0.00068	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Chloromethane	<0.0046		0.0046	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0020	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	10/04/19 16:56	10/11/19 13:22	1
4-Bromofluorobenzene (Surr)	92		75 - 131	10/04/19 16:56	10/11/19 13:22	1
Dibromofluoromethane	99		75 - 126	10/04/19 16:56	10/11/19 13:22	1
Toluene-d8 (Surr)	97		75 - 124	10/04/19 16:56	10/11/19 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (20-26)-100319**

**Lab Sample ID: 500-171265-4**

Date Collected: 10/03/19 23:20

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
2,4-Dinitrophenol	<0.80		0.80	0.69	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
<b>2-Methylnaphthalene</b>	<b>0.040</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
<b>Acenaphthene</b>	<b>0.024</b>	<b>J</b>	0.039	0.0071	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
<b>Anthracene</b>	<b>0.032</b>	<b>J</b>	0.039	0.0066	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
<b>Benzo[a]anthracene</b>	<b>0.076</b>		0.039	0.0053	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
<b>Benzo[a]pyrene</b>	<b>0.067</b>		0.039	0.0076	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
<b>Benzo[b]fluoranthene</b>	<b>0.084</b>		0.039	0.0085	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
<b>Benzo[g,h,i]perylene</b>	<b>0.023</b>	<b>J</b>	0.039	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
<b>Benzo[k]fluoranthene</b>	<b>0.032</b>	<b>J</b>	0.039	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
<b>Chrysene</b>	<b>0.094</b>		0.039	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
<b>Dibenz(a,h)anthracene</b>	<b>0.013</b>	<b>J</b>	0.039	0.0076	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
<b>Fluoranthene</b>	<b>0.16</b>		0.039	0.0073	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
<b>Fluorene</b>	<b>0.019</b>	<b>J</b>	0.039	0.0055	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Hexachlorobenzene	<0.080		0.080	0.0091	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (20-26)-100319**

**Lab Sample ID: 500-171265-4**

Date Collected: 10/03/19 23:20

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.023</b>	<b>J</b>	0.039	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
<b>Naphthalene</b>	<b>0.020</b>	<b>J</b>	0.039	0.0061	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
<b>Phenanthrene</b>	<b>0.28</b>		0.039	0.0055	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
<b>Pyrene</b>	<b>0.15</b>		0.039	0.0078	mg/Kg	☼	10/11/19 08:21	10/11/19 17:55	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	49		31 - 143				10/11/19 08:21	10/11/19 17:55	1
2-Fluorobiphenyl	79		43 - 145				10/11/19 08:21	10/11/19 17:55	1
2-Fluorophenol	95		31 - 166				10/11/19 08:21	10/11/19 17:55	1
Nitrobenzene-d5	76		37 - 147				10/11/19 08:21	10/11/19 17:55	1
Phenol-d5	114		30 - 153				10/11/19 08:21	10/11/19 17:55	1
Terphenyl-d14	90		42 - 157				10/11/19 08:21	10/11/19 17:55	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 00:35	1
<b>Barium</b>	<b>0.31</b>	<b>J</b>	0.50	0.050	mg/L		10/11/19 15:19	10/13/19 00:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 00:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 00:35	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:35	1
<b>Cobalt</b>	<b>0.020</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:35	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:35	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 00:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 00:35	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:35	1
<b>Nickel</b>	<b>0.046</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:35	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 00:35	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:35	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:19	10/13/19 00:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:16	10/12/19 21:04	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 21:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 21:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 21:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:04	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:04	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:04	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 21:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 21:04	1
<b>Manganese</b>	<b>0.035</b>		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:04	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 21:04	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (20-26)-100319**

**Lab Sample ID: 500-171265-4**

Date Collected: 10/03/19 23:20

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.4

**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		10/11/19 15:16	10/12/19 21:04	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:16	10/12/19 21:04	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.53	J B	1.2	0.23	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Arsenic	7.2		0.59	0.20	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Barium	37		0.59	0.068	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Beryllium	0.69		0.24	0.056	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Calcium	52000	B	120	20	mg/Kg	☼	10/12/19 17:23	10/15/19 11:41	10
Chromium	16		0.59	0.29	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Cobalt	15		0.30	0.078	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Copper	31		0.59	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Iron	19000		12	6.2	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Lead	14		0.30	0.14	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Magnesium	21000		5.9	2.9	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Manganese	290		0.59	0.086	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Nickel	38		0.59	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Potassium	3200		30	11	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Selenium	0.97		0.59	0.35	mg/Kg	☼	10/12/19 17:23	10/16/19 09:55	1
Silver	2.3		0.30	0.077	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Sodium	290		59	8.8	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Thallium	1.1		0.59	0.30	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Vanadium	20		0.30	0.070	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1
Zinc	52		1.2	0.52	mg/Kg	☼	10/12/19 17:23	10/14/19 23:05	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 10:41	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.019	0.0063	mg/Kg	☼	10/08/19 15:00	10/09/19 08:20	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.6		0.2	0.2	SU			10/08/19 20:25	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (26-32)-100319**

**Lab Sample ID: 500-171265-5**

**Date Collected: 10/03/19 23:30**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 80.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Acetone	<0.017		0.017	0.0074	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	10/04/19 16:56	10/11/19 13:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	10/04/19 16:56	10/11/19 13:47	1
4-Bromofluorobenzene (Surr)	92		75 - 131	10/04/19 16:56	10/11/19 13:47	1
Dibromofluoromethane	99		75 - 126	10/04/19 16:56	10/11/19 13:47	1
Toluene-d8 (Surr)	95		75 - 124	10/04/19 16:56	10/11/19 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (26-32)-100319**

**Lab Sample ID: 500-171265-5**

Date Collected: 10/03/19 23:30

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
<b>2-Methylnaphthalene</b>	<b>0.019</b>	<b>J</b>	0.079	0.0072	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
<b>Acenaphthene</b>	<b>0.0071</b>	<b>J</b>	0.039	0.0071	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
<b>Acenaphthylene</b>	<b>0.010</b>	<b>J</b>	0.039	0.0052	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
<b>Benzo[a]anthracene</b>	<b>0.036</b>	<b>J</b>	0.039	0.0053	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
<b>Benzo[a]pyrene</b>	<b>0.043</b>		0.039	0.0076	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
<b>Benzo[b]fluoranthene</b>	<b>0.048</b>		0.039	0.0085	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
<b>Benzo[g,h,i]perylene</b>	<b>0.031</b>	<b>J</b>	0.039	0.013	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
<b>Benzo[k]fluoranthene</b>	<b>0.016</b>	<b>J</b>	0.039	0.012	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Carbazole	<0.20	*	0.20	0.098	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
<b>Chrysene</b>	<b>0.045</b>		0.039	0.011	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
<b>Dibenz(a,h)anthracene</b>	<b>0.012</b>	<b>J</b>	0.039	0.0076	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
<b>Fluoranthene</b>	<b>0.037</b>	<b>J</b>	0.039	0.0073	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (26-32)-100319**

**Lab Sample ID: 500-171265-5**

Date Collected: 10/03/19 23:30

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.028</b>	<b>J</b>	0.039	0.010	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
<b>Naphthalene</b>	<b>0.0071</b>	<b>J</b>	0.039	0.0061	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
<b>Phenanthrene</b>	<b>0.070</b>		0.039	0.0055	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
<b>Pyrene</b>	<b>0.057</b>		0.039	0.0078	mg/Kg	☼	10/11/19 08:21	10/14/19 15:56	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	42		31 - 143				10/11/19 08:21	10/14/19 15:56	1
<i>2-Fluorobiphenyl</i>	66		43 - 145				10/11/19 08:21	10/14/19 15:56	1
<i>2-Fluorophenol</i>	75		31 - 166				10/11/19 08:21	10/14/19 15:56	1
<i>Nitrobenzene-d5</i>	61		37 - 147				10/11/19 08:21	10/14/19 15:56	1
<i>Phenol-d5</i>	98		30 - 153				10/11/19 08:21	10/14/19 15:56	1
<i>Terphenyl-d14</i>	82		42 - 157				10/11/19 08:21	10/14/19 15:56	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		10/11/19 15:19	10/13/19 00:39	1
<b>Barium</b>	<b>0.42</b>	<b>J</b>	0.50	0.050	mg/L		10/11/19 15:19	10/13/19 00:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 00:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 00:39	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:39	1
<b>Cobalt</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:39	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:39	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 00:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 00:39	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:39	1
<b>Nickel</b>	<b>0.038</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:39	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 00:39	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:39	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:19	10/13/19 00:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:16	10/12/19 21:08	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 21:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 21:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 21:08	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:08	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:08	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:08	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 21:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 21:08	1
<b>Manganese</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:08	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:08	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 21:08	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (26-32)-100319**

**Lab Sample ID: 500-171265-5**

Date Collected: 10/03/19 23:30

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:08	1
<b>Zinc</b>	<b>0.036</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:16	10/12/19 21:08	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.76</b>	<b>J B</b>	1.2	0.24	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Arsenic</b>	<b>6.7</b>		0.62	0.21	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Barium</b>	<b>44</b>		0.62	0.071	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Beryllium</b>	<b>0.74</b>		0.25	0.058	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
Cadmium	<0.12		0.12	0.022	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Calcium</b>	<b>61000</b>	<b>B</b>	120	21	mg/Kg	☼	10/12/19 17:23	10/15/19 11:45	10
<b>Chromium</b>	<b>17</b>		0.62	0.31	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Cobalt</b>	<b>13</b>		0.31	0.081	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Copper</b>	<b>26</b>		0.62	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Iron</b>	<b>19000</b>		12	6.5	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Lead</b>	<b>13</b>		0.31	0.14	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Magnesium</b>	<b>24000</b>		6.2	3.1	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Manganese</b>	<b>310</b>		0.62	0.090	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Nickel</b>	<b>35</b>		0.62	0.18	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Potassium</b>	<b>3600</b>		31	11	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Selenium</b>	<b>0.76</b>		0.62	0.36	mg/Kg	☼	10/12/19 17:23	10/16/19 09:59	1
<b>Silver</b>	<b>2.7</b>		0.31	0.080	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Sodium</b>	<b>230</b>		62	9.2	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Thallium</b>	<b>0.98</b>		0.62	0.31	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Vanadium</b>	<b>22</b>		0.31	0.073	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1
<b>Zinc</b>	<b>56</b>		1.2	0.54	mg/Kg	☼	10/12/19 17:23	10/14/19 23:09	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 10:43	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.019</b>		0.019	0.0064	mg/Kg	☼	10/08/19 15:00	10/09/19 08:26	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.0</b>		0.2	0.2	SU			10/08/19 20:31	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (32-40)-100319**

**Lab Sample ID: 500-171265-6**

**Date Collected: 10/03/19 23:35**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 80.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Acetone	<0.018		0.018	0.0078	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	10/04/19 16:56	10/11/19 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	10/04/19 16:56	10/11/19 14:13	1
4-Bromofluorobenzene (Surr)	94		75 - 131	10/04/19 16:56	10/11/19 14:13	1
Dibromofluoromethane	99		75 - 126	10/04/19 16:56	10/11/19 14:13	1
Toluene-d8 (Surr)	94		75 - 124	10/04/19 16:56	10/11/19 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (32-40)-100319**

**Lab Sample ID: 500-171265-6**

Date Collected: 10/03/19 23:35

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
<b>2-Methylnaphthalene</b>	<b>0.023</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
<b>Acenaphthene</b>	<b>0.0092</b>	<b>J</b>	0.039	0.0070	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
<b>Benzo[a]anthracene</b>	<b>0.016</b>	<b>J</b>	0.039	0.0052	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
<b>Benzo[a]pyrene</b>	<b>0.023</b>	<b>J</b>	0.039	0.0075	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
<b>Benzo[b]fluoranthene</b>	<b>0.028</b>	<b>J</b>	0.039	0.0084	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
<b>Benzo[g,h,i]perylene</b>	<b>0.013</b>	<b>J</b>	0.039	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Carbazole	<0.20	*	0.20	0.097	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
<b>Chrysene</b>	<b>0.029</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
<b>Fluoranthene</b>	<b>0.028</b>	<b>J</b>	0.039	0.0072	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
<b>Fluorene</b>	<b>0.0066</b>	<b>J</b>	0.039	0.0055	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (32-40)-100319**

**Lab Sample ID: 500-171265-6**

Date Collected: 10/03/19 23:35

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.014</b>	<b>J</b>	0.039	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
<b>Phenanthrene</b>	<b>0.092</b>		0.039	0.0054	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
<b>Pyrene</b>	<b>0.036</b>	<b>J</b>	0.039	0.0077	mg/Kg	☼	10/11/19 08:21	10/11/19 18:45	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	45		31 - 143				10/11/19 08:21	10/11/19 18:45	1
<i>2-Fluorobiphenyl</i>	64		43 - 145				10/11/19 08:21	10/11/19 18:45	1
<i>2-Fluorophenol</i>	73		31 - 166				10/11/19 08:21	10/11/19 18:45	1
<i>Nitrobenzene-d5</i>	69		37 - 147				10/11/19 08:21	10/11/19 18:45	1
<i>Phenol-d5</i>	106		30 - 153				10/11/19 08:21	10/11/19 18:45	1
<i>Terphenyl-d14</i>	86		42 - 157				10/11/19 08:21	10/11/19 18:45	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		10/11/19 15:19	10/13/19 00:51	1
<b>Barium</b>	<b>0.44</b>	<b>J</b>	0.50	0.050	mg/L		10/11/19 15:19	10/13/19 00:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 00:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 00:51	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:51	1
<b>Cobalt</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:51	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:51	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 00:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 00:51	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:51	1
<b>Nickel</b>	<b>0.040</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:51	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 00:51	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:51	1
<b>Zinc</b>	<b>0.022</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:19	10/13/19 00:51	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		10/11/19 15:16	10/12/19 21:12	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 21:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 21:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 21:12	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:12	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:12	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:12	1
<b>Iron</b>	<b>0.26</b>	<b>J</b>	0.40	0.20	mg/L		10/11/19 15:16	10/12/19 21:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 21:12	1
<b>Manganese</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:12	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:12	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 21:12	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (32-40)-100319**

**Lab Sample ID: 500-171265-6**

Date Collected: 10/03/19 23:35

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.5

**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		10/11/19 15:16	10/12/19 21:12	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:16	10/12/19 21:12	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.54	J B	1.1	0.22	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Arsenic	7.0		0.57	0.20	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Barium	39		0.57	0.065	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Beryllium	0.69		0.23	0.053	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Cadmium	<0.11		0.11	0.021	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Calcium	61000	B	110	19	mg/Kg	☼	10/12/19 17:23	10/15/19 11:49	10
Chromium	16		0.57	0.28	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Cobalt	14		0.29	0.075	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Copper	27		0.57	0.16	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Iron	19000		11	5.9	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Lead	13		0.29	0.13	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Magnesium	24000		5.7	2.8	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Manganese	320		0.57	0.083	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Nickel	35		0.57	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Potassium	3000		29	10	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Selenium	0.82		0.57	0.34	mg/Kg	☼	10/12/19 17:23	10/16/19 10:11	1
Silver	3.1		0.29	0.074	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Sodium	210		57	8.5	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Thallium	1.2		0.57	0.29	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Vanadium	19		0.29	0.067	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1
Zinc	53		1.1	0.50	mg/Kg	☼	10/12/19 17:23	10/14/19 23:13	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 10:44	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	J	0.020	0.0067	mg/Kg	☼	10/08/19 15:00	10/09/19 08:28	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/08/19 20:31	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (40-48)-100319**

**Lab Sample ID: 500-171265-7**

**Date Collected: 10/03/19 23:40**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 80.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00080	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
1,1-Dichloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
1,2-Dichloropropane	<0.0019		0.0019	0.00048	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00065	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Acetone	<0.019		0.019	0.0081	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Benzene	<0.0019		0.0019	0.00047	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Bromoform	<0.0019		0.0019	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Bromomethane	<0.0046		0.0046	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Carbon disulfide	<0.0046		0.0046	0.00097	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Chlorobenzene	<0.0019		0.0019	0.00068	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Chloroform	<0.0019		0.0019	0.00064	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Chloromethane	<0.0046		0.0046	0.0019	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Ethylbenzene	<0.0019		0.0019	0.00089	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0021	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Styrene	<0.0019		0.0019	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Tetrachloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Toluene	<0.0019		0.0019	0.00047	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00082	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Vinyl chloride	<0.0019		0.0019	0.00082	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	10/04/19 16:56	10/11/19 14:38	1
4-Bromofluorobenzene (Surr)	91		75 - 131	10/04/19 16:56	10/11/19 14:38	1
Dibromofluoromethane	100		75 - 126	10/04/19 16:56	10/11/19 14:38	1
Toluene-d8 (Surr)	95		75 - 124	10/04/19 16:56	10/11/19 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (40-48)-100319**

**Lab Sample ID: 500-171265-7**

Date Collected: 10/03/19 23:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
<b>2-Methylnaphthalene</b>	<b>0.027</b>	<b>J</b>	0.083	0.0075	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
<b>Acenaphthene</b>	<b>0.013</b>	<b>J</b>	0.041	0.0074	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
<b>Anthracene</b>	<b>0.0097</b>	<b>J</b>	0.041	0.0068	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
<b>Benzo[a]anthracene</b>	<b>0.021</b>	<b>J</b>	0.041	0.0055	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
<b>Benzo[a]pyrene</b>	<b>0.033</b>	<b>J</b>	0.041	0.0079	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
<b>Benzo[b]fluoranthene</b>	<b>0.023</b>	<b>J</b>	0.041	0.0088	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
<b>Benzo[g,h,i]perylene</b>	<b>0.017</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
<b>Chrysene</b>	<b>0.037</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
<b>Dibenz(a,h)anthracene</b>	<b>0.0095</b>	<b>J</b>	0.041	0.0079	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
<b>Fluoranthene</b>	<b>0.045</b>		0.041	0.0076	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
<b>Fluorene</b>	<b>0.010</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (40-48)-100319**

**Lab Sample ID: 500-171265-7**

Date Collected: 10/03/19 23:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.016</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
<b>Phenanthrene</b>	<b>0.12</b>		0.041	0.0057	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
<b>Pyrene</b>	<b>0.056</b>		0.041	0.0081	mg/Kg	☼	10/11/19 08:21	10/11/19 19:10	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	41		31 - 143				10/11/19 08:21	10/11/19 19:10	1
<i>2-Fluorobiphenyl</i>	67		43 - 145				10/11/19 08:21	10/11/19 19:10	1
<i>2-Fluorophenol</i>	76		31 - 166				10/11/19 08:21	10/11/19 19:10	1
<i>Nitrobenzene-d5</i>	62		37 - 147				10/11/19 08:21	10/11/19 19:10	1
<i>Phenol-d5</i>	101		30 - 153				10/11/19 08:21	10/11/19 19:10	1
<i>Terphenyl-d14</i>	85		42 - 157				10/11/19 08:21	10/11/19 19:10	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 00:56	1
<b>Barium</b>	<b>0.50</b>		0.50	0.050	mg/L		10/11/19 15:19	10/13/19 00:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 00:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 00:56	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:56	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:56	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:56	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 00:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 00:56	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:56	1
<b>Nickel</b>	<b>0.029</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:56	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 00:56	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 00:56	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:19	10/13/19 00:56	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		10/11/19 15:16	10/12/19 21:16	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 21:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 21:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 21:16	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:16	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:16	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:16	1
<b>Iron</b>	<b>1.2</b>		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 21:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 21:16	1
<b>Manganese</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:16	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:16	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 21:16	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (40-48)-100319**

**Lab Sample ID: 500-171265-7**

Date Collected: 10/03/19 23:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.5

**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		10/11/19 15:16	10/12/19 21:16	1
<b>Zinc</b>	<b>0.025</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:16	10/12/19 21:16	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.49</b>	<b>J B</b>	1.2	0.23	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Arsenic</b>	<b>7.6</b>		0.58	0.20	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Barium</b>	<b>40</b>		0.58	0.066	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Beryllium</b>	<b>0.67</b>		0.23	0.054	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Calcium</b>	<b>56000</b>	<b>B</b>	120	20	mg/Kg	☼	10/12/19 17:23	10/15/19 11:53	10
<b>Chromium</b>	<b>16</b>		0.58	0.29	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Cobalt</b>	<b>14</b>		0.29	0.076	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Copper</b>	<b>27</b>		0.58	0.16	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Iron</b>	<b>19000</b>		12	6.0	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Lead</b>	<b>14</b>		0.29	0.13	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Magnesium</b>	<b>23000</b>		5.8	2.9	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Manganese</b>	<b>310</b>		0.58	0.084	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Nickel</b>	<b>37</b>		0.58	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Potassium</b>	<b>2900</b>		29	10	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Selenium</b>	<b>0.56</b>	<b>J</b>	0.58	0.34	mg/Kg	☼	10/12/19 17:23	10/16/19 10:15	1
<b>Silver</b>	<b>2.4</b>		0.29	0.075	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Sodium</b>	<b>210</b>		58	8.6	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Thallium</b>	<b>0.95</b>		0.58	0.29	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Vanadium</b>	<b>19</b>		0.29	0.068	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1
<b>Zinc</b>	<b>52</b>		1.2	0.51	mg/Kg	☼	10/12/19 17:23	10/14/19 23:17	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 10:46	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.018</b>	<b>J</b>	0.020	0.0065	mg/Kg	☼	10/08/19 15:00	10/09/19 08:30	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.0</b>		0.2	0.2	SU			10/08/19 20:31	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (40-48)-100319D**

**Lab Sample ID: 500-171265-8**

**Date Collected: 10/03/19 23:40**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 80.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00079	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
1,1-Dichloroethene	<0.0018		0.0018	0.00064	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
1,2-Dichloropropane	<0.0018		0.0018	0.00048	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00065	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Acetone	<0.018		0.018	0.0080	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Bromodichloromethane	<0.0018		0.0018	0.00038	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Bromoform	<0.0018		0.0018	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Carbon disulfide	<0.0046		0.0046	0.00096	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Carbon tetrachloride	<0.0018		0.0018	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Chlorobenzene	<0.0018		0.0018	0.00068	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Chloroform	<0.0018		0.0018	0.00064	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Chloromethane	<0.0046		0.0046	0.0019	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0020	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Styrene	<0.0018		0.0018	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Tetrachloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Toluene	<0.0018		0.0018	0.00047	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00082	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Vinyl chloride	<0.0018		0.0018	0.00082	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/04/19 16:56	10/11/19 15:03	1
4-Bromofluorobenzene (Surr)	88		75 - 131	10/04/19 16:56	10/11/19 15:03	1
Dibromofluoromethane	100		75 - 126	10/04/19 16:56	10/11/19 15:03	1
Toluene-d8 (Surr)	95		75 - 124	10/04/19 16:56	10/11/19 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (40-48)-100319D**

**Lab Sample ID: 500-171265-8**

Date Collected: 10/03/19 23:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
2,4-Dichlorophenol	<0.40		0.40	0.097	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
2-Chlorophenol	<0.20		0.20	0.070	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
<b>2-Methylnaphthalene</b>	<b>0.017</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
<b>Acenaphthene</b>	<b>0.011</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
<b>Anthracene</b>	<b>0.019</b>	<b>J</b>	0.040	0.0068	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
<b>Benzo[a]anthracene</b>	<b>0.082</b>		0.040	0.0055	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
<b>Benzo[a]pyrene</b>	<b>0.090</b>		0.040	0.0079	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
<b>Benzo[b]fluoranthene</b>	<b>0.071</b>		0.040	0.0088	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
<b>Benzo[g,h,i]perylene</b>	<b>0.037</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
<b>Benzo[k]fluoranthene</b>	<b>0.029</b>	<b>J</b>	0.040	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.042	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
<b>Chrysene</b>	<b>0.087</b>		0.040	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
<b>Dibenz(a,h)anthracene</b>	<b>0.018</b>	<b>J</b>	0.040	0.0079	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
<b>Fluoranthene</b>	<b>0.16</b>		0.040	0.0076	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
<b>Fluorene</b>	<b>0.010</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (40-48)-100319D**

**Lab Sample ID: 500-171265-8**

Date Collected: 10/03/19 23:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.037</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
<b>Naphthalene</b>	<b>0.0078</b>	<b>J</b>	0.040	0.0063	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
<b>Phenanthrene</b>	<b>0.15</b>		0.040	0.0057	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
<b>Pyrene</b>	<b>0.16</b>		0.040	0.0081	mg/Kg	☼	10/11/19 08:21	10/11/19 19:35	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	40		31 - 143				10/11/19 08:21	10/11/19 19:35	1
<i>2-Fluorobiphenyl</i>	53		43 - 145				10/11/19 08:21	10/11/19 19:35	1
<i>2-Fluorophenol</i>	66		31 - 166				10/11/19 08:21	10/11/19 19:35	1
<i>Nitrobenzene-d5</i>	48		37 - 147				10/11/19 08:21	10/11/19 19:35	1
<i>Phenol-d5</i>	85		30 - 153				10/11/19 08:21	10/11/19 19:35	1
<i>Terphenyl-d14</i>	72		42 - 157				10/11/19 08:21	10/11/19 19:35	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 01:00	1
<b>Barium</b>	<b>0.47</b>	<b>J</b>	0.50	0.050	mg/L		10/11/19 15:19	10/13/19 01:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 01:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 01:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:00	1
<b>Cobalt</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:00	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:00	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 01:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 01:00	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:00	1
<b>Nickel</b>	<b>0.037</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 01:00	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:00	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:19	10/13/19 01:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:16	10/12/19 21:20	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 21:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 21:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 21:20	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:20	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:20	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:20	1
<b>Iron</b>	<b>0.49</b>		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 21:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 21:20	1
<b>Manganese</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:20	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:20	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 21:20	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (40-48)-100319D**

**Lab Sample ID: 500-171265-8**

Date Collected: 10/03/19 23:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:20	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:16	10/12/19 21:20	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.60	J B	1.2	0.23	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Arsenic	8.0		0.60	0.20	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Barium	40		0.60	0.068	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Beryllium	0.69		0.24	0.056	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Calcium	56000	B	120	20	mg/Kg	☼	10/12/19 17:23	10/15/19 11:57	10
Chromium	17		0.60	0.30	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Cobalt	15		0.30	0.078	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Copper	29		0.60	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Iron	19000		12	6.2	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Lead	16		0.30	0.14	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Magnesium	22000		6.0	3.0	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Manganese	290		0.60	0.087	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Nickel	38		0.60	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Potassium	3200		30	11	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Selenium	0.79		0.60	0.35	mg/Kg	☼	10/12/19 17:23	10/16/19 10:19	1
Silver	2.5		0.30	0.077	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Sodium	230		60	8.8	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Thallium	1.2		0.60	0.30	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Vanadium	21		0.30	0.070	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1
Zinc	52		1.2	0.52	mg/Kg	☼	10/12/19 17:23	10/14/19 23:30	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 10:47	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.019	0.0062	mg/Kg	☼	10/08/19 15:00	10/09/19 08:33	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/08/19 20:31	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (48-56)-100419**

**Lab Sample ID: 500-171265-9**

**Date Collected: 10/04/19 00:01**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 82.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Acetone	<0.017		0.017	0.0074	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	10/04/19 16:56	10/11/19 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	10/04/19 16:56	10/11/19 15:28	1
4-Bromofluorobenzene (Surr)	91		75 - 131	10/04/19 16:56	10/11/19 15:28	1
Dibromofluoromethane	102		75 - 126	10/04/19 16:56	10/11/19 15:28	1
Toluene-d8 (Surr)	96		75 - 124	10/04/19 16:56	10/11/19 15:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (48-56)-100419**

**Lab Sample ID: 500-171265-9**

Date Collected: 10/04/19 00:01

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
<b>2-Methylnaphthalene</b>	<b>0.016</b>	<b>J</b>	0.077	0.0070	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
<b>Benzo[a]anthracene</b>	<b>0.013</b>	<b>J</b>	0.038	0.0051	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Carbazole	<0.19	*	0.19	0.095	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (48-56)-100419**

**Lab Sample ID: 500-171265-9**

Date Collected: 10/04/19 00:01

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
<b>Phenanthrene</b>	<b>0.056</b>		0.038	0.0053	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	10/11/19 08:21	10/11/19 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	47		31 - 143	10/11/19 08:21	10/11/19 20:00	1
2-Fluorobiphenyl	70		43 - 145	10/11/19 08:21	10/11/19 20:00	1
2-Fluorophenol	86		31 - 166	10/11/19 08:21	10/11/19 20:00	1
Nitrobenzene-d5	68		37 - 147	10/11/19 08:21	10/11/19 20:00	1
Phenol-d5	100		30 - 153	10/11/19 08:21	10/11/19 20:00	1
Terphenyl-d14	85		42 - 157	10/11/19 08:21	10/11/19 20:00	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 01:04	1
<b>Barium</b>	<b>0.59</b>		0.50	0.050	mg/L		10/11/19 15:19	10/13/19 01:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 01:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 01:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:04	1
<b>Cobalt</b>	<b>0.013 J</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:04	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:04	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 01:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 01:04	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:04	1
<b>Nickel</b>	<b>0.031</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 01:04	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:04	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:19	10/13/19 01:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:16	10/12/19 21:32	1
<b>Barium</b>	<b>0.11 J</b>		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 21:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 21:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 21:32	1
<b>Chromium</b>	<b>0.031</b>		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:32	1
<b>Cobalt</b>	<b>0.011 J</b>		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:32	1
<b>Copper</b>	<b>0.014 J</b>		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:32	1
<b>Iron</b>	<b>18</b>		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 21:32	1
<b>Lead</b>	<b>0.0092</b>		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 21:32	1
<b>Manganese</b>	<b>0.18</b>		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:32	1
<b>Nickel</b>	<b>0.026</b>		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 21:32	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (48-56)-100419**

**Lab Sample ID: 500-171265-9**

Date Collected: 10/04/19 00:01

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 82.4

**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		10/11/19 15:16	10/12/19 21:32	1
<b>Zinc</b>	<b>0.041</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:16	10/12/19 21:32	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.46</b>	<b>J B</b>	1.2	0.23	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Arsenic</b>	<b>7.0</b>		0.58	0.20	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Barium</b>	<b>44</b>		0.58	0.066	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Beryllium</b>	<b>0.71</b>		0.23	0.054	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Calcium</b>	<b>59000</b>	<b>B</b>	120	20	mg/Kg	☼	10/12/19 17:23	10/15/19 12:01	10
<b>Chromium</b>	<b>17</b>		0.58	0.29	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Cobalt</b>	<b>14</b>		0.29	0.076	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Copper</b>	<b>28</b>		0.58	0.16	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Iron</b>	<b>19000</b>		12	6.0	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Lead</b>	<b>15</b>		0.29	0.13	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Magnesium</b>	<b>24000</b>		5.8	2.9	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Manganese</b>	<b>320</b>		0.58	0.084	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Nickel</b>	<b>37</b>		0.58	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Potassium</b>	<b>3300</b>		29	10	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Selenium</b>	<b>0.56</b>	<b>J</b>	0.58	0.34	mg/Kg	☼	10/12/19 17:23	10/16/19 10:23	1
<b>Silver</b>	<b>2.4</b>		0.29	0.075	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Sodium</b>	<b>220</b>		58	8.6	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Thallium</b>	<b>0.82</b>		0.58	0.29	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Vanadium</b>	<b>21</b>		0.29	0.068	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1
<b>Zinc</b>	<b>53</b>		1.2	0.51	mg/Kg	☼	10/12/19 17:23	10/14/19 23:34	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 10:49	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.020</b>		0.019	0.0064	mg/Kg	☼	10/08/19 15:00	10/09/19 08:35	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.4</b>		0.2	0.2	SU			10/08/19 20:31	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (56-64)-100419**

**Lab Sample ID: 500-171265-10**

**Date Collected: 10/04/19 00:40**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 80.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00079	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
1,1-Dichloroethene	<0.0018		0.0018	0.00064	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
1,2-Dichloropropane	<0.0018		0.0018	0.00048	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00065	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Acetone	<0.018		0.018	0.0080	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Bromodichloromethane	<0.0018		0.0018	0.00038	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Bromoform	<0.0018		0.0018	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Carbon disulfide	<0.0046		0.0046	0.00096	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Carbon tetrachloride	<0.0018		0.0018	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Chlorobenzene	<0.0018		0.0018	0.00068	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Chloroform	<0.0018		0.0018	0.00064	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Chloromethane	<0.0046		0.0046	0.0019	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0021	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Styrene	<0.0018		0.0018	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Tetrachloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Toluene	<0.0018		0.0018	0.00047	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00082	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Vinyl chloride	<0.0018		0.0018	0.00082	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 15:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/04/19 16:56	10/11/19 15:54	1
4-Bromofluorobenzene (Surr)	91		75 - 131	10/04/19 16:56	10/11/19 15:54	1
Dibromofluoromethane	104		75 - 126	10/04/19 16:56	10/11/19 15:54	1
Toluene-d8 (Surr)	93		75 - 124	10/04/19 16:56	10/11/19 15:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (56-64)-100419**

**Lab Sample ID: 500-171265-10**

Date Collected: 10/04/19 00:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
<b>2-Methylnaphthalene</b>	<b>0.014</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
<b>Benzo[b]fluoranthene</b>	<b>0.013</b>	<b>J</b>	0.039	0.0085	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
<b>Chrysene</b>	<b>0.012</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Hexachlorobenzene	<0.080		0.080	0.0091	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (56-64)-100419**

**Lab Sample ID: 500-171265-10**

Date Collected: 10/04/19 00:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
<b>Phenanthrene</b>	<b>0.038</b>	<b>J</b>	0.039	0.0055	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
<b>Pyrene</b>	<b>0.010</b>	<b>J</b>	0.039	0.0078	mg/Kg	☼	10/11/19 08:21	10/11/19 20:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	37		31 - 143				10/11/19 08:21	10/11/19 20:25	1
2-Fluorobiphenyl	60		43 - 145				10/11/19 08:21	10/11/19 20:25	1
2-Fluorophenol	81		31 - 166				10/11/19 08:21	10/11/19 20:25	1
Nitrobenzene-d5	56		37 - 147				10/11/19 08:21	10/11/19 20:25	1
Phenol-d5	95		30 - 153				10/11/19 08:21	10/11/19 20:25	1
Terphenyl-d14	70		42 - 157				10/11/19 08:21	10/11/19 20:25	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 01:09	1
<b>Barium</b>	<b>0.60</b>		0.50	0.050	mg/L		10/11/19 15:19	10/13/19 01:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 01:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 01:09	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:09	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:09	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:09	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 01:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 01:09	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:09	1
<b>Nickel</b>	<b>0.031</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:09	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 01:09	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:09	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:19	10/13/19 01:09	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		10/11/19 15:16	10/12/19 21:36	1
<b>Barium</b>	<b>0.063</b>	<b>J</b>	0.50	0.050	mg/L		10/11/19 15:16	10/12/19 21:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 21:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 21:36	1
<b>Chromium</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:36	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:36	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:36	1
<b>Iron</b>	<b>5.9</b>		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 21:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 21:36	1
<b>Manganese</b>	<b>0.060</b>		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:36	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:36	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 21:36	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (56-64)-100419**

**Lab Sample ID: 500-171265-10**

Date Collected: 10/04/19 00:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:36	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:16	10/12/19 21:36	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.52</b>	<b>J B</b>	1.2	0.24	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Arsenic</b>	<b>7.0</b>		0.61	0.21	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Barium</b>	<b>42</b>		0.61	0.069	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Beryllium</b>	<b>0.70</b>		0.24	0.057	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
Cadmium	<0.12		0.12	0.022	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Calcium</b>	<b>61000</b>	<b>B</b>	120	21	mg/Kg	☼	10/12/19 17:23	10/15/19 12:05	10
<b>Chromium</b>	<b>17</b>		0.61	0.30	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Cobalt</b>	<b>14</b>		0.30	0.080	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Copper</b>	<b>25</b>		0.61	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Iron</b>	<b>19000</b>		12	6.3	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Lead</b>	<b>13</b>		0.30	0.14	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Magnesium</b>	<b>23000</b>		6.1	3.0	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Manganese</b>	<b>300</b>		0.61	0.088	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Nickel</b>	<b>36</b>		0.61	0.18	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Potassium</b>	<b>3200</b>		30	11	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Selenium</b>	<b>1.0</b>		0.61	0.36	mg/Kg	☼	10/12/19 17:23	10/16/19 10:27	1
<b>Silver</b>	<b>2.6</b>		0.30	0.079	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Sodium</b>	<b>220</b>		61	9.0	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Thallium</b>	<b>0.99</b>		0.61	0.30	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Vanadium</b>	<b>21</b>		0.30	0.072	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1
<b>Zinc</b>	<b>51</b>		1.2	0.53	mg/Kg	☼	10/12/19 17:23	10/14/19 23:38	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020	F1	0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 10:51	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.021</b>		0.020	0.0066	mg/Kg	☼	10/08/19 15:00	10/09/19 08:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.2</b>		0.2	0.2	SU			10/08/19 20:31	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (64-68)-100419**

**Lab Sample ID: 500-171265-11**

**Date Collected: 10/04/19 01:15**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 79.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Acetone	<0.018		0.018	0.0077	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0020	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1
Xylenes, Total	<0.0035		0.0035	0.00057	mg/Kg	☼	10/04/19 16:56	10/11/19 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	10/04/19 16:56	10/11/19 16:19	1
4-Bromofluorobenzene (Surr)	92		75 - 131	10/04/19 16:56	10/11/19 16:19	1
Dibromofluoromethane	101		75 - 126	10/04/19 16:56	10/11/19 16:19	1
Toluene-d8 (Surr)	95		75 - 124	10/04/19 16:56	10/11/19 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (64-68)-100419**

**Lab Sample ID: 500-171265-11**

Date Collected: 10/04/19 01:15

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
<b>2-Methylnaphthalene</b>	<b>0.013</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (64-68)-100419**

**Lab Sample ID: 500-171265-11**

Date Collected: 10/04/19 01:15

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
<b>Phenanthrene</b>	<b>0.042</b>		0.039	0.0055	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	10/11/19 08:21	10/11/19 20:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	48		31 - 143	10/11/19 08:21	10/11/19 20:50	1
2-Fluorobiphenyl	72		43 - 145	10/11/19 08:21	10/11/19 20:50	1
2-Fluorophenol	88		31 - 166	10/11/19 08:21	10/11/19 20:50	1
Nitrobenzene-d5	68		37 - 147	10/11/19 08:21	10/11/19 20:50	1
Phenol-d5	108		30 - 153	10/11/19 08:21	10/11/19 20:50	1
Terphenyl-d14	87		42 - 157	10/11/19 08:21	10/11/19 20:50	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 01:13	1
<b>Barium</b>	<b>0.57</b>		0.50	0.050	mg/L		10/11/19 15:19	10/13/19 01:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 01:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 01:13	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:13	1
<b>Cobalt</b>	<b>0.012 J</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:13	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:13	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 01:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 01:13	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:13	1
<b>Nickel</b>	<b>0.029</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:13	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 01:13	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:13	1
<b>Zinc</b>	<b>0.054 J</b>		0.50	0.020	mg/L		10/11/19 15:19	10/13/19 01:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:16	10/12/19 21:40	1
<b>Barium</b>	<b>0.052 J</b>		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 21:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 21:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 21:40	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:40	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:40	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:40	1
<b>Iron</b>	<b>4.6</b>		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 21:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 21:40	1
<b>Manganese</b>	<b>0.046</b>		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:40	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:40	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 21:40	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-90 (64-68)-100419**

**Lab Sample ID: 500-171265-11**

Date Collected: 10/04/19 01:15

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.5

**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		10/11/19 15:16	10/12/19 21:40	1
<b>Zinc</b>	<b>0.038</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:16	10/12/19 21:40	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.64</b>	<b>J B</b>	1.2	0.23	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Arsenic</b>	<b>7.3</b>		0.58	0.20	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Barium</b>	<b>40</b>		0.58	0.067	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Beryllium</b>	<b>0.64</b>		0.23	0.055	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Calcium</b>	<b>55000</b>	<b>B</b>	120	20	mg/Kg	☼	10/12/19 17:23	10/15/19 12:09	10
<b>Chromium</b>	<b>17</b>		0.58	0.29	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Cobalt</b>	<b>14</b>		0.29	0.076	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Copper</b>	<b>27</b>		0.58	0.16	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Iron</b>	<b>19000</b>		12	6.1	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Lead</b>	<b>13</b>		0.29	0.13	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Magnesium</b>	<b>23000</b>		5.8	2.9	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Manganese</b>	<b>310</b>		0.58	0.085	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Nickel</b>	<b>36</b>		0.58	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Potassium</b>	<b>3000</b>		29	10	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Selenium</b>	<b>0.76</b>		0.58	0.34	mg/Kg	☼	10/12/19 17:23	10/16/19 10:31	1
<b>Silver</b>	<b>2.4</b>		0.29	0.075	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Sodium</b>	<b>210</b>		58	8.6	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Thallium</b>	<b>0.89</b>		0.58	0.29	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Vanadium</b>	<b>19</b>		0.29	0.069	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1
<b>Zinc</b>	<b>59</b>		1.2	0.51	mg/Kg	☼	10/12/19 17:23	10/14/19 23:42	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 10:55	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.017</b>	<b>J</b>	0.019	0.0063	mg/Kg	☼	10/08/19 15:00	10/09/19 08:45	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.2</b>		0.2	0.2	SU			10/08/19 21:15	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-87 (2-4)-100419**

**Lab Sample ID: 500-171265-12**

**Date Collected: 10/04/19 01:15**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 85.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00065	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Acetone	<0.015		0.015	0.0066	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Carbon disulfide	<0.0038		0.0038	0.00079	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Vinyl chloride	<0.0015		0.0015	0.00067	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1
Xylenes, Total	<0.0030		0.0030	0.00049	mg/Kg	☼	10/04/19 16:56	10/11/19 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	10/04/19 16:56	10/11/19 16:44	1
4-Bromofluorobenzene (Surr)	96		75 - 131	10/04/19 16:56	10/11/19 16:44	1
Dibromofluoromethane	105		75 - 126	10/04/19 16:56	10/11/19 16:44	1
Toluene-d8 (Surr)	95		75 - 124	10/04/19 16:56	10/11/19 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.043	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-87 (2-4)-100419**

**Lab Sample ID: 500-171265-12**

Date Collected: 10/04/19 01:15

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.084	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
2-Chloronaphthalene	<0.18		0.18	0.041	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
2-Chlorophenol	<0.18		0.18	0.063	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
<b>2-Methylnaphthalene</b>	<b>0.018</b>	<b>J</b>	0.074	0.0068	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
2-Nitrophenol	<0.36		0.36	0.087	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
<b>Acenaphthene</b>	<b>0.016</b>	<b>J</b>	0.036	0.0066	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
<b>Acenaphthylene</b>	<b>0.0066</b>	<b>J</b>	0.036	0.0048	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
<b>Anthracene</b>	<b>0.025</b>	<b>J</b>	0.036	0.0061	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
<b>Benzo[a]anthracene</b>	<b>0.058</b>		0.036	0.0049	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
<b>Benzo[a]pyrene</b>	<b>0.067</b>		0.036	0.0071	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
<b>Benzo[b]fluoranthene</b>	<b>0.070</b>		0.036	0.0079	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
<b>Benzo[g,h,i]perylene</b>	<b>0.029</b>	<b>J</b>	0.036	0.012	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
<b>Benzo[k]fluoranthene</b>	<b>0.024</b>	<b>J</b>	0.036	0.011	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Butyl benzyl phthalate	<0.18		0.18	0.070	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Carbazole	<0.18	*	0.18	0.092	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
<b>Chrysene</b>	<b>0.072</b>		0.036	0.010	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0071	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
<b>Fluoranthene</b>	<b>0.11</b>		0.036	0.0068	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
<b>Fluorene</b>	<b>0.014</b>	<b>J</b>	0.036	0.0052	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Hexachlorobutadiene	<0.18		0.18	0.058	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-87 (2-4)-100419**

**Lab Sample ID: 500-171265-12**

Date Collected: 10/04/19 01:15

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.027</b>	<b>J</b>	0.036	0.0095	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
<b>Naphthalene</b>	<b>0.0076</b>	<b>J</b>	0.036	0.0057	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Nitrobenzene	<0.036		0.036	0.0092	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
<b>Phenanthrene</b>	<b>0.15</b>		0.036	0.0051	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Phenol	<0.18		0.18	0.082	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
<b>Pyrene</b>	<b>0.12</b>		0.036	0.0073	mg/Kg	☼	10/11/19 08:21	10/14/19 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	48		31 - 143				10/11/19 08:21	10/14/19 16:21	1
2-Fluorobiphenyl	66		43 - 145				10/11/19 08:21	10/14/19 16:21	1
2-Fluorophenol	81		31 - 166				10/11/19 08:21	10/14/19 16:21	1
Nitrobenzene-d5	64		37 - 147				10/11/19 08:21	10/14/19 16:21	1
Phenol-d5	100		30 - 153				10/11/19 08:21	10/14/19 16:21	1
Terphenyl-d14	75		42 - 157				10/11/19 08:21	10/14/19 16:21	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 01:17	1
<b>Barium</b>	<b>0.61</b>		0.50	0.050	mg/L		10/11/19 15:19	10/13/19 01:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 01:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 01:17	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:17	1
<b>Cobalt</b>	<b>0.034</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:17	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:17	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 01:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:13	10/16/19 13:05	1
<b>Manganese</b>	<b>2.1</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:17	1
<b>Nickel</b>	<b>0.054</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:17	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 01:17	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:17	1
<b>Zinc</b>	<b>0.044</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:19	10/13/19 01:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:16	10/12/19 21:44	1
<b>Barium</b>	<b>0.063</b>	<b>J</b>	0.50	0.050	mg/L		10/11/19 15:16	10/12/19 21:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 21:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 21:44	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:44	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:44	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:44	1
<b>Iron</b>	<b>4.6</b>		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 21:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 21:44	1
<b>Manganese</b>	<b>0.043</b>		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:44	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:44	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 21:44	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-87 (2-4)-100419**

**Lab Sample ID: 500-171265-12**

Date Collected: 10/04/19 01:15

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:44	1
Zinc	0.022	J	0.50	0.020	mg/L		10/11/19 15:16	10/12/19 21:44	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.41	J B	1.1	0.21	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Arsenic	7.7		0.54	0.19	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Barium	40		0.54	0.062	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Beryllium	0.67		0.22	0.051	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Cadmium	0.061	J B	0.11	0.020	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Calcium	46000	B	110	18	mg/Kg	☼	10/12/19 17:23	10/15/19 12:21	10
Chromium	15		0.54	0.27	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Cobalt	15		0.27	0.071	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Copper	40		0.54	0.15	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Iron	20000		11	5.6	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Lead	52		0.27	0.13	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Magnesium	20000		5.4	2.7	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Manganese	300		0.54	0.079	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Nickel	39		0.54	0.16	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Potassium	2800		27	9.6	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Selenium	0.85		0.54	0.32	mg/Kg	☼	10/12/19 17:23	10/16/19 10:35	1
Silver	2.3		0.27	0.070	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Sodium	530		54	8.0	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Thallium	0.95		0.54	0.27	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Vanadium	18		0.27	0.064	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1
Zinc	71		1.1	0.48	mg/Kg	☼	10/12/19 17:23	10/14/19 23:46	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 11:01	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.018	0.0061	mg/Kg	☼	10/08/19 15:00	10/09/19 08:52	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.2	0.2	SU			10/08/19 21:15	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-87 (4-10)-100419**

**Lab Sample ID: 500-171265-13**

Date Collected: 10/04/19 01:20

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Acetone	<0.018		0.018	0.0079	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 17:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/04/19 16:56	10/11/19 17:09	1
4-Bromofluorobenzene (Surr)	92		75 - 131	10/04/19 16:56	10/11/19 17:09	1
Dibromofluoromethane	107		75 - 126	10/04/19 16:56	10/11/19 17:09	1
Toluene-d8 (Surr)	94		75 - 124	10/04/19 16:56	10/11/19 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-87 (4-10)-100419**

**Lab Sample ID: 500-171265-13**

Date Collected: 10/04/19 01:20

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
<b>2-Methylnaphthalene</b>	<b>0.022</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
<b>Acenaphthene</b>	<b>0.0090</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
<b>Benzo[a]anthracene</b>	<b>0.017</b>	<b>J</b>	0.040	0.0054	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-87 (4-10)-100419**

**Lab Sample ID: 500-171265-13**

Date Collected: 10/04/19 01:20

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.0

## 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	<0.040		0.040	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
<b>Phenanthrene</b>	<b>0.080</b>		0.040	0.0056	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	10/11/19 08:21	10/11/19 21:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	38		31 - 143				10/11/19 08:21	10/11/19 21:41	1
2-Fluorobiphenyl	58		43 - 145				10/11/19 08:21	10/11/19 21:41	1
2-Fluorophenol	68		31 - 166				10/11/19 08:21	10/11/19 21:41	1
Nitrobenzene-d5	53		37 - 147				10/11/19 08:21	10/11/19 21:41	1
Phenol-d5	87		30 - 153				10/11/19 08:21	10/11/19 21:41	1
Terphenyl-d14	69		42 - 157				10/11/19 08:21	10/11/19 21:41	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 01:22	1
<b>Barium</b>	<b>0.47</b>	<b>J</b>	0.50	0.050	mg/L		10/11/19 15:19	10/13/19 01:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 01:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 01:22	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:22	1
<b>Cobalt</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:22	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:22	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 01:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 01:22	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:22	1
<b>Nickel</b>	<b>0.046</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:22	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 01:22	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:22	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:19	10/13/19 01:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:16	10/12/19 21:48	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 21:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 21:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 21:48	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:48	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:48	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:48	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 21:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 21:48	1
<b>Manganese</b>	<b>0.027</b>		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:48	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:48	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 21:48	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-87 (4-10)-100419**

**Lab Sample ID: 500-171265-13**

Date Collected: 10/04/19 01:20

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:48	1
<b>Zinc</b>	<b>0.028</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:16	10/12/19 21:48	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.56</b>	<b>J B</b>	1.2	0.23	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Arsenic</b>	<b>7.3</b>		0.60	0.21	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Barium</b>	<b>37</b>		0.60	0.069	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Beryllium</b>	<b>0.68</b>		0.24	0.056	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
Cadmium	<0.12		0.12	0.022	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Calcium</b>	<b>35000</b>	<b>B</b>	12	2.0	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Chromium</b>	<b>16</b>		0.60	0.30	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Cobalt</b>	<b>15</b>		0.30	0.079	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Copper</b>	<b>31</b>		0.60	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Iron</b>	<b>19000</b>		12	6.3	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Lead</b>	<b>15</b>		0.30	0.14	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Magnesium</b>	<b>20000</b>		6.0	3.0	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Manganese</b>	<b>320</b>		0.60	0.087	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Nickel</b>	<b>38</b>		0.60	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Potassium</b>	<b>3000</b>		30	11	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	10/12/19 17:23	10/16/19 10:39	1
<b>Silver</b>	<b>2.4</b>		0.30	0.078	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Sodium</b>	<b>310</b>		60	8.9	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Thallium</b>	<b>0.89</b>		0.60	0.30	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Vanadium</b>	<b>19</b>		0.30	0.071	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1
<b>Zinc</b>	<b>64</b>		1.2	0.53	mg/Kg	☼	10/12/19 17:23	10/14/19 23:50	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 11:03	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.020</b>	<b>J</b>	0.021	0.0068	mg/Kg	☼	10/08/19 15:00	10/09/19 08:54	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.7</b>		0.2	0.2	SU			10/08/19 21:15	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-87 (16-22)-100419**

**Lab Sample ID: 500-171265-14**

**Date Collected: 10/04/19 01:30**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 81.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	10/04/19 16:56	10/11/19 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/04/19 16:56	10/11/19 17:34	1
4-Bromofluorobenzene (Surr)	89		75 - 131	10/04/19 16:56	10/11/19 17:34	1
Dibromofluoromethane	100		75 - 126	10/04/19 16:56	10/11/19 17:34	1
Toluene-d8 (Surr)	95		75 - 124	10/04/19 16:56	10/11/19 17:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-87 (16-22)-100419**

**Lab Sample ID: 500-171265-14**

Date Collected: 10/04/19 01:30

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.091	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
<b>2-Methylnaphthalene</b>	<b>0.021</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
4-Chloro-3-methylphenol	<0.39		0.39	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
<b>Benzo[a]anthracene</b>	<b>0.015</b>	<b>J</b>	0.039	0.0053	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Benzo[b]fluoranthene	<0.039		0.039	0.0086	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Fluoranthene	<0.039		0.039	0.0074	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-87 (16-22)-100419**

**Lab Sample ID: 500-171265-14**

Date Collected: 10/04/19 01:30

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 81.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
<b>Phenanthrene</b>	<b>0.053</b>		0.039	0.0055	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1
<b>Pyrene</b>	<b>0.012</b>	<b>J</b>	0.039	0.0079	mg/Kg	☼	10/11/19 08:21	10/11/19 22:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	41		31 - 143	10/11/19 08:21	10/11/19 22:06	1
2-Fluorobiphenyl	62		43 - 145	10/11/19 08:21	10/11/19 22:06	1
2-Fluorophenol	55		31 - 166	10/11/19 08:21	10/11/19 22:06	1
Nitrobenzene-d5	53		37 - 147	10/11/19 08:21	10/11/19 22:06	1
Phenol-d5	61		30 - 153	10/11/19 08:21	10/11/19 22:06	1
Terphenyl-d14	73		42 - 157	10/11/19 08:21	10/11/19 22:06	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 01:26	1
<b>Barium</b>	<b>0.58</b>		0.50	0.050	mg/L		10/11/19 15:19	10/13/19 01:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 01:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 01:26	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:26	1
<b>Cobalt</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:26	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:26	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 01:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 01:26	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:26	1
<b>Nickel</b>	<b>0.041</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:26	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 01:26	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:26	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:19	10/13/19 01:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:16	10/12/19 21:52	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 21:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 21:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 21:52	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:52	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:52	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:52	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 21:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 21:52	1
<b>Manganese</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:52	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:52	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 21:52	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-87 (16-22)-100419**

**Lab Sample ID: 500-171265-14**

Date Collected: 10/04/19 01:30

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 81.2

**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		10/11/19 15:16	10/12/19 21:52	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:16	10/12/19 21:52	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.52</b>	<b>J B</b>	1.2	0.22	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Arsenic</b>	<b>8.3</b>		0.58	0.20	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Barium</b>	<b>39</b>		0.58	0.066	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Beryllium</b>	<b>0.65</b>		0.23	0.054	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Calcium</b>	<b>56000</b>	<b>B</b>	120	20	mg/Kg	☼	10/12/19 17:23	10/15/19 12:25	10
<b>Chromium</b>	<b>16</b>		0.58	0.29	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Cobalt</b>	<b>15</b>		0.29	0.075	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Copper</b>	<b>27</b>		0.58	0.16	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Iron</b>	<b>26000</b>		12	6.0	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Lead</b>	<b>15</b>		0.29	0.13	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Magnesium</b>	<b>23000</b>		5.8	2.9	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Manganese</b>	<b>320</b>		0.58	0.083	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Nickel</b>	<b>43</b>		0.58	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Potassium</b>	<b>2900</b>		29	10	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Selenium</b>	<b>0.88</b>		0.58	0.34	mg/Kg	☼	10/12/19 17:23	10/16/19 10:43	1
<b>Silver</b>	<b>2.3</b>		0.29	0.074	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Sodium</b>	<b>210</b>		58	8.5	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Thallium</b>	<b>0.98</b>		0.58	0.29	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Vanadium</b>	<b>19</b>		0.29	0.068	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1
<b>Zinc</b>	<b>49</b>		1.2	0.51	mg/Kg	☼	10/12/19 17:23	10/14/19 23:54	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 11:04	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.018</b>	<b>J</b>	0.020	0.0065	mg/Kg	☼	10/08/19 15:00	10/09/19 08:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.6</b>		0.2	0.2	SU			10/08/19 21:15	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-87 (22-30)-100419**

**Lab Sample ID: 500-171265-15**

Date Collected: 10/04/19 01:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00082	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00067	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Acetone	<0.019		0.019	0.0084	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Carbon disulfide	<0.0048		0.0048	0.0010	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Chlorobenzene	<0.0019		0.0019	0.00071	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Chloroform	<0.0019		0.0019	0.00067	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Ethylbenzene	<0.0019		0.0019	0.00092	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0021	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Tetrachloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Toluene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00085	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00067	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Vinyl chloride	<0.0019		0.0019	0.00085	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1
Xylenes, Total	<0.0038		0.0038	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/04/19 16:56	10/11/19 17:59	1
4-Bromofluorobenzene (Surr)	93		75 - 131	10/04/19 16:56	10/11/19 17:59	1
Dibromofluoromethane	102		75 - 126	10/04/19 16:56	10/11/19 17:59	1
Toluene-d8 (Surr)	94		75 - 124	10/04/19 16:56	10/11/19 17:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-87 (22-30)-100419**

**Lab Sample ID: 500-171265-15**

Date Collected: 10/04/19 01:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
<b>2-Methylnaphthalene</b>	<b>0.012</b>	<b>J</b>	0.079	0.0072	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Carbazole	<0.20	*	0.20	0.098	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-87 (22-30)-100419**

**Lab Sample ID: 500-171265-15**

Date Collected: 10/04/19 01:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
<b>Phenanthrene</b>	<b>0.040</b>		0.039	0.0055	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	10/11/19 08:21	10/11/19 22:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	46		31 - 143	10/11/19 08:21	10/11/19 22:30	1
2-Fluorobiphenyl	67		43 - 145	10/11/19 08:21	10/11/19 22:30	1
2-Fluorophenol	71		31 - 166	10/11/19 08:21	10/11/19 22:30	1
Nitrobenzene-d5	54		37 - 147	10/11/19 08:21	10/11/19 22:30	1
Phenol-d5	87		30 - 153	10/11/19 08:21	10/11/19 22:30	1
Terphenyl-d14	75		42 - 157	10/11/19 08:21	10/11/19 22:30	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 01:30	1
<b>Barium</b>	<b>0.58</b>		0.50	0.050	mg/L		10/11/19 15:19	10/13/19 01:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 01:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 01:30	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:30	1
<b>Cobalt</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:30	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:30	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 01:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 01:30	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:30	1
<b>Nickel</b>	<b>0.037</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:30	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 01:30	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:30	1
<b>Zinc</b>	<b>0.027</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:19	10/13/19 01:30	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		10/11/19 15:16	10/12/19 21:56	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 21:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 21:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 21:56	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:56	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:56	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:56	1
<b>Iron</b>	<b>1.3</b>		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 21:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 21:56	1
<b>Manganese</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:56	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 21:56	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 21:56	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-87 (22-30)-100419**

**Lab Sample ID: 500-171265-15**

Date Collected: 10/04/19 01:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.7

**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		10/11/19 15:16	10/12/19 21:56	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:16	10/12/19 21:56	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.58	J B	1.2	0.24	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Arsenic	11		0.62	0.21	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Barium	39		0.62	0.071	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Beryllium	0.70		0.25	0.058	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Cadmium	<0.12		0.12	0.022	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Calcium	57000	B	120	21	mg/Kg	☼	10/12/19 17:23	10/15/19 12:29	10
Chromium	17		0.62	0.31	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Cobalt	14		0.31	0.081	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Copper	33		0.62	0.17	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Iron	23000		12	6.5	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Lead	13		0.31	0.14	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Magnesium	23000		6.2	3.1	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Manganese	310		0.62	0.090	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Nickel	36		0.62	0.18	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Potassium	2900		31	11	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Selenium	0.81		0.62	0.37	mg/Kg	☼	10/12/19 17:23	10/16/19 10:47	1
Silver	2.3		0.31	0.080	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Sodium	210		62	9.2	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Thallium	0.89		0.62	0.31	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Vanadium	20		0.31	0.073	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1
Zinc	53		1.2	0.55	mg/Kg	☼	10/12/19 17:23	10/14/19 23:59	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 11:06	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.020	0.0067	mg/Kg	☼	10/08/19 15:00	10/09/19 08:58	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/08/19 21:15	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (4-10)-100419**

**Lab Sample ID: 500-171265-16**

**Date Collected: 10/04/19 02:30**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 81.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Acetone	<0.017		0.017	0.0072	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Chloroethane	<0.0042		0.0042	0.0012	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Methylene Chloride	<0.0042		0.0042	0.0016	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
<b>Tetrachloroethene</b>	<b>0.00091</b>	<b>J</b>	0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	10/04/19 16:56	10/11/19 18:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/04/19 16:56	10/11/19 18:25	1
4-Bromofluorobenzene (Surr)	95		75 - 131	10/04/19 16:56	10/11/19 18:25	1
Dibromofluoromethane	102		75 - 126	10/04/19 16:56	10/11/19 18:25	1
Toluene-d8 (Surr)	96		75 - 124	10/04/19 16:56	10/11/19 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (4-10)-100419**

**Lab Sample ID: 500-171265-16**

Date Collected: 10/04/19 02:30

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 81.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
<b>2-Methylnaphthalene</b>	<b>0.021</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
<b>Benzo[a]anthracene</b>	<b>0.014</b>	<b>J</b>	0.040	0.0054	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (4-10)-100419**

**Lab Sample ID: 500-171265-16**

Date Collected: 10/04/19 02:30

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 81.7

**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	<0.040		0.040	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
<b>Phenanthrene</b>	<b>0.064</b>		0.040	0.0056	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1
<b>Pyrene</b>	<b>0.012</b>	<b>J</b>	0.040	0.0079	mg/Kg	☼	10/11/19 08:21	10/11/19 22:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	46		31 - 143	10/11/19 08:21	10/11/19 22:55	1
2-Fluorobiphenyl	76		43 - 145	10/11/19 08:21	10/11/19 22:55	1
2-Fluorophenol	88		31 - 166	10/11/19 08:21	10/11/19 22:55	1
Nitrobenzene-d5	71		37 - 147	10/11/19 08:21	10/11/19 22:55	1
Phenol-d5	96		30 - 153	10/11/19 08:21	10/11/19 22:55	1
Terphenyl-d14	82		42 - 157	10/11/19 08:21	10/11/19 22:55	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 01:43	1
<b>Barium</b>	<b>0.57</b>		0.50	0.050	mg/L		10/11/19 15:19	10/13/19 01:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 01:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 01:43	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:43	1
<b>Cobalt</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:43	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:43	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 01:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 01:43	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:43	1
<b>Nickel</b>	<b>0.041</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:43	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 01:43	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:43	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:19	10/13/19 01:43	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		10/11/19 15:16	10/12/19 22:00	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 22:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 22:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 22:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:00	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:00	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:00	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 22:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 22:00	1
<b>Manganese</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:00	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 22:00	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (4-10)-100419**

**Lab Sample ID: 500-171265-16**

Date Collected: 10/04/19 02:30

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 81.7

**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		10/11/19 15:16	10/12/19 22:00	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:16	10/12/19 22:00	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.58	J B	1.2	0.23	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Arsenic	7.5		0.60	0.20	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Barium	37		0.60	0.068	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Beryllium	0.64		0.24	0.056	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Calcium	59000	B	120	20	mg/Kg	☼	10/12/19 17:23	10/15/19 12:33	10
Chromium	16		0.60	0.29	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Cobalt	14		0.30	0.078	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Copper	27		0.60	0.17	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Iron	19000		12	6.2	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Lead	14		0.30	0.14	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Magnesium	24000		6.0	3.0	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Manganese	320		0.60	0.086	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Nickel	35		0.60	0.17	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Potassium	2700		30	11	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Selenium	1.2		0.60	0.35	mg/Kg	☼	10/12/19 17:23	10/16/19 10:59	1
Silver	2.3		0.30	0.077	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Sodium	390		60	8.8	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Thallium	1.2		0.60	0.30	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Vanadium	18		0.30	0.070	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1
Zinc	57		1.2	0.52	mg/Kg	☼	10/12/19 17:23	10/15/19 00:03	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 11:08	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.020	0.0066	mg/Kg	☼	10/08/19 15:00	10/09/19 09:00	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			10/08/19 21:15	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (10-15)-100419**

**Lab Sample ID: 500-171265-17**

Date Collected: 10/04/19 02:35

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
<b>Acetone</b>	<b>0.0077</b>	<b>J</b>	0.017	0.0075	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	10/04/19 16:56	10/11/19 18:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/04/19 16:56	10/11/19 18:50	1
4-Bromofluorobenzene (Surr)	89		75 - 131	10/04/19 16:56	10/11/19 18:50	1
Dibromofluoromethane	99		75 - 126	10/04/19 16:56	10/11/19 18:50	1
Toluene-d8 (Surr)	95		75 - 124	10/04/19 16:56	10/11/19 18:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (10-15)-100419**

**Lab Sample ID: 500-171265-17**

Date Collected: 10/04/19 02:35

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
<b>2-Methylnaphthalene</b>	<b>0.020</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
<b>Benzo[a]anthracene</b>	<b>0.013</b>	<b>J</b>	0.040	0.0054	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (10-15)-100419**

**Lab Sample ID: 500-171265-17**

Date Collected: 10/04/19 02:35

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
<b>Phenanthrene</b>	<b>0.046</b>		0.040	0.0056	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1
Pyrene	<0.040		0.040	0.0079	mg/Kg	☼	10/11/19 08:21	10/11/19 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	43		31 - 143	10/11/19 08:21	10/11/19 15:00	1
2-Fluorobiphenyl	81		43 - 145	10/11/19 08:21	10/11/19 15:00	1
2-Fluorophenol	90		31 - 166	10/11/19 08:21	10/11/19 15:00	1
Nitrobenzene-d5	80		37 - 147	10/11/19 08:21	10/11/19 15:00	1
Phenol-d5	120		30 - 153	10/11/19 08:21	10/11/19 15:00	1
Terphenyl-d14	84		42 - 157	10/11/19 08:21	10/11/19 15:00	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 01:47	1
<b>Barium</b>	<b>0.57</b>		0.50	0.050	mg/L		10/11/19 15:19	10/13/19 01:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 01:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 01:47	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:47	1
<b>Cobalt</b>	<b>0.013 J</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:47	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:47	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 01:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 01:47	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:47	1
<b>Nickel</b>	<b>0.034</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:47	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 01:47	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:47	1
<b>Zinc</b>	<b>0.037 J</b>		0.50	0.020	mg/L		10/11/19 15:19	10/13/19 01:47	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		10/11/19 15:16	10/12/19 22:04	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 22:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 22:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 22:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:04	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:04	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:04	1
<b>Iron</b>	<b>0.30 J</b>		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 22:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 22:04	1
<b>Manganese</b>	<b>0.013 J</b>		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:04	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 22:04	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (10-15)-100419**

**Lab Sample ID: 500-171265-17**

Date Collected: 10/04/19 02:35

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:04	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:16	10/12/19 22:04	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.51	J B	1.2	0.23	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Arsenic	7.2		0.60	0.20	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Barium	38		0.60	0.068	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Beryllium	0.65		0.24	0.056	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Cadmium	<0.12		0.12	0.022	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Calcium	55000	B	120	20	mg/Kg	☼	10/12/19 17:23	10/15/19 12:37	10
Chromium	16		0.60	0.30	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Cobalt	14		0.30	0.078	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Copper	28		0.60	0.17	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Iron	19000		12	6.2	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Lead	14		0.30	0.14	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Magnesium	25000		6.0	3.0	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Manganese	320		0.60	0.087	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Nickel	36		0.60	0.17	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Potassium	3000		30	11	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Selenium	0.75		0.60	0.35	mg/Kg	☼	10/12/19 17:23	10/16/19 11:03	1
Silver	2.3		0.30	0.077	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Sodium	260		60	8.8	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Thallium	0.97		0.60	0.30	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Vanadium	19		0.30	0.071	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1
Zinc	58		1.2	0.52	mg/Kg	☼	10/12/19 17:23	10/15/19 00:07	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 11:09	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.020	0.0067	mg/Kg	☼	10/08/19 15:00	10/09/19 09:02	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/08/19 21:15	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (15-20)-100419**

**Lab Sample ID: 500-171265-18**

**Date Collected: 10/04/19 02:45**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 78.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00065	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00083	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00068	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Acetone	<0.019		0.019	0.0084	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Carbon disulfide	<0.0048		0.0048	0.0010	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Chlorobenzene	<0.0019		0.0019	0.00071	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Chloroform	<0.0019		0.0019	0.00067	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Ethylbenzene	<0.0019		0.0019	0.00092	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0021	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00057	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Tetrachloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Toluene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00086	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00068	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Vinyl chloride	<0.0019		0.0019	0.00085	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1
Xylenes, Total	<0.0039		0.0039	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/04/19 16:56	10/11/19 19:15	1
4-Bromofluorobenzene (Surr)	93		75 - 131	10/04/19 16:56	10/11/19 19:15	1
Dibromofluoromethane	100		75 - 126	10/04/19 16:56	10/11/19 19:15	1
Toluene-d8 (Surr)	94		75 - 124	10/04/19 16:56	10/11/19 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (15-20)-100419**

**Lab Sample ID: 500-171265-18**

Date Collected: 10/04/19 02:45

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.095	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
2,4-Dichlorophenol	<0.41		0.41	0.099	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
2,4-Dinitrophenol	<0.84		0.84	0.73	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
<b>2-Methylnaphthalene</b>	<b>0.020</b>	<b>J</b>	0.084	0.0077	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
2-Nitrophenol	<0.41		0.41	0.099	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
3 & 4 Methylphenol	<0.21		0.21	0.070	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.34	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Acenaphthene	<0.041		0.041	0.0075	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Anthracene	<0.041		0.041	0.0070	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Benzo[a]pyrene	<0.041		0.041	0.0081	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Benzo[b]fluoranthene	<0.041		0.041	0.0090	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0081	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Fluorene	<0.041		0.041	0.0059	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Hexachlorobenzene	<0.084		0.084	0.0097	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (15-20)-100419**

**Lab Sample ID: 500-171265-18**

Date Collected: 10/04/19 02:45

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
<b>Phenanthrene</b>	<b>0.050</b>		0.041	0.0058	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Phenol	<0.21		0.21	0.093	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1
Pyrene	<0.041		0.041	0.0083	mg/Kg	☼	10/11/19 08:21	10/11/19 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63		31 - 143	10/11/19 08:21	10/11/19 15:25	1
2-Fluorobiphenyl	87		43 - 145	10/11/19 08:21	10/11/19 15:25	1
2-Fluorophenol	107		31 - 166	10/11/19 08:21	10/11/19 15:25	1
Nitrobenzene-d5	84		37 - 147	10/11/19 08:21	10/11/19 15:25	1
Phenol-d5	125		30 - 153	10/11/19 08:21	10/11/19 15:25	1
Terphenyl-d14	91		42 - 157	10/11/19 08:21	10/11/19 15:25	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 01:51	1
<b>Barium</b>	<b>0.55</b>		0.50	0.050	mg/L		10/11/19 15:19	10/13/19 01:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 01:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 01:51	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:51	1
<b>Cobalt</b>	<b>0.013 J</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:51	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:51	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 01:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 01:51	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:51	1
<b>Nickel</b>	<b>0.035</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:51	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 01:51	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:51	1
<b>Zinc</b>	<b>0.020 J</b>		0.50	0.020	mg/L		10/11/19 15:19	10/13/19 01:51	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		10/11/19 15:16	10/12/19 22:08	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 22:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 22:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 22:08	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:08	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:08	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:08	1
<b>Iron</b>	<b>0.93</b>		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 22:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 22:08	1
<b>Manganese</b>	<b>0.014 J</b>		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:08	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:08	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 22:08	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (15-20)-100419**

**Lab Sample ID: 500-171265-18**

Date Collected: 10/04/19 02:45

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:08	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:16	10/12/19 22:08	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.61	J B	1.2	0.23	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Arsenic	6.8		0.59	0.20	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Barium	40		0.59	0.067	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Beryllium	0.71		0.23	0.055	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Calcium	56000	B	120	20	mg/Kg	☼	10/12/19 17:23	10/15/19 12:41	10
Chromium	17		0.59	0.29	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Cobalt	14		0.29	0.077	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Copper	28		0.59	0.16	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Iron	19000		12	6.1	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Lead	14		0.29	0.14	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Magnesium	24000		5.9	2.9	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Manganese	300		0.59	0.085	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Nickel	37		0.59	0.17	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Potassium	3200		29	10	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Selenium	0.70		0.59	0.35	mg/Kg	☼	10/12/19 17:23	10/16/19 11:07	1
Silver	2.6		0.29	0.076	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Sodium	280		59	8.7	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Thallium	0.94		0.59	0.29	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Vanadium	20		0.29	0.069	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1
Zinc	59		1.2	0.52	mg/Kg	☼	10/12/19 17:23	10/15/19 00:19	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 11:11	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.020	0.0065	mg/Kg	☼	10/08/19 15:00	10/09/19 09:04	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/08/19 21:15	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (20-28)-100419**

**Lab Sample ID: 500-171265-19**

Date Collected: 10/04/19 02:55

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 70.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00064	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00086	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
1,1-Dichloroethane	<0.0020		0.0020	0.00069	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
1,1-Dichloroethene	<0.0020		0.0020	0.00069	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
1,2-Dichloroethane	<0.0050		0.0050	0.0016	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00070	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
<b>Acetone</b>	<b>0.011</b>	<b>J</b>	0.020	0.0087	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Benzene	<0.0020		0.0020	0.00051	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Bromodichloromethane	<0.0020		0.0020	0.00041	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Bromoform	<0.0020		0.0020	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Bromomethane	<0.0050		0.0050	0.0019	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Carbon disulfide	<0.0050		0.0050	0.0010	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Carbon tetrachloride	<0.0020		0.0020	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Chlorobenzene	<0.0020		0.0020	0.00074	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Chloroethane	<0.0050		0.0050	0.0015	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Chloroform	<0.0020		0.0020	0.00070	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Chloromethane	<0.0050		0.0050	0.0020	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00056	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Dibromochloromethane	<0.0020		0.0020	0.00066	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Ethylbenzene	<0.0020		0.0020	0.00096	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0022	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
methyl isobutyl ketone	<0.0050		0.0050	0.0015	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Methylene Chloride	<0.0050		0.0050	0.0020	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Styrene	<0.0020		0.0020	0.00061	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Tetrachloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Toluene	<0.0020		0.0020	0.00051	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00089	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00070	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Trichloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Vinyl chloride	<0.0020		0.0020	0.00089	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1
Xylenes, Total	<0.0040		0.0040	0.00064	mg/Kg	☼	10/04/19 16:56	10/11/19 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/04/19 16:56	10/11/19 19:40	1
4-Bromofluorobenzene (Surr)	94		75 - 131	10/04/19 16:56	10/11/19 19:40	1
Dibromofluoromethane	101		75 - 126	10/04/19 16:56	10/11/19 19:40	1
Toluene-d8 (Surr)	94		75 - 124	10/04/19 16:56	10/11/19 19:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.22		0.22	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
1,2-Dichlorobenzene	<0.22		0.22	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
1,3-Dichlorobenzene	<0.22		0.22	0.050	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
1,4-Dichlorobenzene	<0.22		0.22	0.057	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
2,2'-oxybis[1-chloropropane]	<0.22		0.22	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (20-28)-100419**

**Lab Sample ID: 500-171265-19**

Date Collected: 10/04/19 02:55

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 70.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.44		0.44	0.10	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
2,4,6-Trichlorophenol	<0.44		0.44	0.15	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
2,4-Dichlorophenol	<0.44		0.44	0.11	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
2,4-Dimethylphenol	<0.44		0.44	0.17	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
2,4-Dinitrophenol	<0.90		0.90	0.78	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
2,4-Dinitrotoluene	<0.22		0.22	0.071	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
2,6-Dinitrotoluene	<0.22		0.22	0.088	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
2-Chloronaphthalene	<0.22		0.22	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
2-Chlorophenol	<0.22		0.22	0.076	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
<b>2-Methylnaphthalene</b>	<b>0.024</b>	<b>J</b>	0.090	0.0082	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
2-Methylphenol	<0.22		0.22	0.071	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
2-Nitroaniline	<0.22		0.22	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
2-Nitrophenol	<0.44		0.44	0.11	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
3 & 4 Methylphenol	<0.22		0.22	0.074	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
3,3'-Dichlorobenzidine	<0.22		0.22	0.062	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
3-Nitroaniline	<0.44		0.44	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
4,6-Dinitro-2-methylphenol	<0.90		0.90	0.36	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
4-Bromophenyl phenyl ether	<0.22		0.22	0.059	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
4-Chloro-3-methylphenol	<0.44		0.44	0.15	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
4-Chloroaniline	<0.90		0.90	0.21	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
4-Chlorophenyl phenyl ether	<0.22		0.22	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
4-Nitroaniline	<0.44		0.44	0.19	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
4-Nitrophenol	<0.90		0.90	0.42	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Acenaphthene	<0.044		0.044	0.0080	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Acenaphthylene	<0.044		0.044	0.0059	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Anthracene	<0.044		0.044	0.0074	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
<b>Benzo[a]anthracene</b>	<b>0.019</b>	<b>J</b>	0.044	0.0060	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Benzo[a]pyrene	<0.044		0.044	0.0086	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
<b>Benzo[b]fluoranthene</b>	<b>0.015</b>	<b>J</b>	0.044	0.0096	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
<b>Benzo[g,h,i]perylene</b>	<b>0.017</b>	<b>J</b>	0.044	0.014	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Benzo[k]fluoranthene	<0.044		0.044	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Bis(2-chloroethoxy)methane	<0.22		0.22	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Bis(2-chloroethyl)ether	<0.22		0.22	0.067	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Bis(2-ethylhexyl) phthalate	<0.22		0.22	0.081	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Butyl benzyl phthalate	<0.22		0.22	0.085	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Carbazole	<0.22	*	0.22	0.11	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Chrysene	<0.044		0.044	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Dibenz(a,h)anthracene	<0.044		0.044	0.0086	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Dibenzofuran	<0.22		0.22	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Diethyl phthalate	<0.22		0.22	0.076	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Dimethyl phthalate	<0.22		0.22	0.058	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Di-n-butyl phthalate	<0.22		0.22	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Di-n-octyl phthalate	<0.22		0.22	0.073	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Fluoranthene	<0.044		0.044	0.0083	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Fluorene	<0.044		0.044	0.0063	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Hexachlorobenzene	<0.090		0.090	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Hexachlorobutadiene	<0.22		0.22	0.070	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Hexachlorocyclopentadiene	<0.90		0.90	0.26	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Hexachloroethane	<0.22		0.22	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (20-28)-100419**

**Lab Sample ID: 500-171265-19**

Date Collected: 10/04/19 02:55

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 70.0

**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	<0.044		0.044	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Isophorone	<0.22		0.22	0.050	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Naphthalene	<0.044		0.044	0.0069	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Nitrobenzene	<0.044		0.044	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
N-Nitrosodi-n-propylamine	<0.090		0.090	0.054	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
N-Nitrosodiphenylamine	<0.22		0.22	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Pentachlorophenol	<0.90		0.90	0.71	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
<b>Phenanthrene</b>	<b>0.080</b>		0.044	0.0062	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Phenol	<0.22		0.22	0.099	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1
Pyrene	<0.044		0.044	0.0089	mg/Kg	☼	10/11/19 08:21	10/11/19 15:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	57		31 - 143	10/11/19 08:21	10/11/19 15:50	1
2-Fluorobiphenyl	79		43 - 145	10/11/19 08:21	10/11/19 15:50	1
2-Fluorophenol	98		31 - 166	10/11/19 08:21	10/11/19 15:50	1
Nitrobenzene-d5	78		37 - 147	10/11/19 08:21	10/11/19 15:50	1
Phenol-d5	113		30 - 153	10/11/19 08:21	10/11/19 15:50	1
Terphenyl-d14	86		42 - 157	10/11/19 08:21	10/11/19 15:50	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 01:56	1
<b>Barium</b>	<b>0.57</b>		0.50	0.050	mg/L		10/11/19 15:19	10/13/19 01:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 01:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 01:56	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:56	1
<b>Cobalt</b>	<b>0.013 J</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:56	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:56	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 01:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 01:56	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:56	1
<b>Nickel</b>	<b>0.035</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:56	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 01:56	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 01:56	1
<b>Zinc</b>	<b>0.026 J</b>		0.50	0.020	mg/L		10/11/19 15:19	10/13/19 01:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:16	10/12/19 22:20	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 22:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 22:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 22:20	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:20	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:20	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:20	1
<b>Iron</b>	<b>2.6</b>		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 22:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 22:20	1
<b>Manganese</b>	<b>0.028</b>		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:20	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:20	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 22:20	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (20-28)-100419**

**Lab Sample ID: 500-171265-19**

Date Collected: 10/04/19 02:55

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 70.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:20	1
Zinc	0.033	J	0.50	0.020	mg/L		10/11/19 15:16	10/12/19 22:20	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.60	J B	1.3	0.26	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Arsenic	7.7		0.67	0.23	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Barium	46		0.67	0.077	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Beryllium	0.80		0.27	0.063	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Cadmium	0.033	J B	0.13	0.024	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Calcium	66000	B	130	23	mg/Kg	☼	10/12/19 17:23	10/15/19 12:45	10
Chromium	19		0.67	0.33	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Cobalt	16		0.34	0.088	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Copper	28		0.67	0.19	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Iron	23000		13	7.0	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Lead	15		0.34	0.16	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Magnesium	28000		6.7	3.3	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Manganese	360		0.67	0.098	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Nickel	41		0.67	0.20	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Potassium	3600		34	12	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Selenium	0.47	J	0.67	0.40	mg/Kg	☼	10/12/19 17:23	10/16/19 11:11	1
Silver	2.8		0.34	0.087	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Sodium	270		67	10	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Thallium	1.1		0.67	0.34	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Vanadium	23		0.34	0.079	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1
Zinc	72		1.3	0.59	mg/Kg	☼	10/12/19 17:23	10/15/19 00:23	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 11:12	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.023	0.0076	mg/Kg	☼	10/08/19 15:00	10/09/19 09:07	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/08/19 21:15	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (20-28)-100419D**

**Lab Sample ID: 500-171265-20**

Date Collected: 10/04/19 02:55

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
<b>Acetone</b>	<b>0.0076</b>	<b>J</b>	0.017	0.0074	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Chloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/04/19 16:56	10/11/19 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/04/19 16:56	10/11/19 20:05	1
4-Bromofluorobenzene (Surr)	93		75 - 131	10/04/19 16:56	10/11/19 20:05	1
Dibromofluoromethane	101		75 - 126	10/04/19 16:56	10/11/19 20:05	1
Toluene-d8 (Surr)	94		75 - 124	10/04/19 16:56	10/11/19 20:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (20-28)-100419D**

**Lab Sample ID: 500-171265-20**

Date Collected: 10/04/19 02:55

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
<b>2-Methylnaphthalene</b>	<b>0.018</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
<b>Benzo[a]anthracene</b>	<b>0.017</b>	<b>J</b>	0.040	0.0054	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (20-28)-100419D**

**Lab Sample ID: 500-171265-20**

Date Collected: 10/04/19 02:55

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
<b>Phenanthrene</b>	<b>0.073</b>		0.040	0.0056	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	10/11/19 08:21	10/11/19 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	42		31 - 143	10/11/19 08:21	10/11/19 16:15	1
2-Fluorobiphenyl	67		43 - 145	10/11/19 08:21	10/11/19 16:15	1
2-Fluorophenol	98		31 - 166	10/11/19 08:21	10/11/19 16:15	1
Nitrobenzene-d5	62		37 - 147	10/11/19 08:21	10/11/19 16:15	1
Phenol-d5	90		30 - 153	10/11/19 08:21	10/11/19 16:15	1
Terphenyl-d14	45		42 - 157	10/11/19 08:21	10/11/19 16:15	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:19	10/13/19 02:00	1
<b>Barium</b>	<b>0.58</b>		0.50	0.050	mg/L		10/11/19 15:19	10/13/19 02:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:19	10/13/19 02:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:19	10/13/19 02:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 02:00	1
<b>Cobalt</b>	<b>0.012 J</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 02:00	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 02:00	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:19	10/13/19 02:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:19	10/13/19 02:00	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 02:00	1
<b>Nickel</b>	<b>0.033</b>		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 02:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:19	10/13/19 02:00	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:19	10/13/19 02:00	1
<b>Zinc</b>	<b>0.034 J</b>		0.50	0.020	mg/L		10/11/19 15:19	10/13/19 02:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:16	10/12/19 22:24	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:16	10/12/19 22:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:16	10/12/19 22:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:16	10/12/19 22:24	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:24	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:24	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:24	1
<b>Iron</b>	<b>1.3 F1</b>		0.40	0.20	mg/L		10/11/19 15:16	10/12/19 22:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:16	10/12/19 22:24	1
<b>Manganese</b>	<b>0.028</b>		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:24	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:24	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:16	10/12/19 22:24	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

**Client Sample ID: ROW-94 (20-28)-100419D**

**Lab Sample ID: 500-171265-20**

Date Collected: 10/04/19 02:55

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:16	10/12/19 22:24	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:16	10/12/19 22:24	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.56	J B	1.2	0.23	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Arsenic	7.6		0.58	0.20	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Barium	38		0.58	0.066	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Beryllium	0.62		0.23	0.054	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Cadmium	0.030	J B	0.12	0.021	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Calcium	65000	B	120	20	mg/Kg	☼	10/12/19 17:23	10/15/19 12:49	10
Chromium	15		0.58	0.29	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Cobalt	13		0.29	0.076	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Copper	28		0.58	0.16	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Iron	19000		12	6.0	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Lead	14		0.29	0.13	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Magnesium	25000		5.8	2.9	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Manganese	360		0.58	0.084	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Nickel	34		0.58	0.17	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Potassium	2900		29	10	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Selenium	0.87		0.58	0.34	mg/Kg	☼	10/12/19 17:23	10/16/19 11:15	1
Silver	2.4		0.29	0.075	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Sodium	220		58	8.6	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Thallium	0.86		0.58	0.29	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Vanadium	19		0.29	0.069	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1
Zinc	58		1.2	0.51	mg/Kg	☼	10/12/19 17:23	10/15/19 00:27	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 11:14	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.019	0.0063	mg/Kg	☼	10/08/19 15:00	10/09/19 09:09	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/08/19 21:20	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171265-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

### Metals

Qualifier	Qualifier Description
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 - Circle Interchange-WO 003

Job ID: 500-171265-1

## 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	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)  
Contact: Andris Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

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



## Chain of Custody Record

Lab Job #: 500-171265  
Chain of Custody Number: \_\_\_\_\_  
Page 1 of 4  
Temperature °C of Cooler: 0.3, 2.3

Client		Client Project #		Preservative		Parameter		500-171265 COC		Preservative Key	
<u>Western</u>		<u>62056.016.007</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	VOCs	SVOCs	Pb/Cd metals	top/Solc metals	PH	Comments
<u>IDOT 90/94</u>											
Project Location/State		Lab PM									
<u>Chicago, IL</u>		<u>C. Pace + M. DeWito</u>									
Lab ID	MS/MSD	Sample ID	Date	Time							
<u>1</u>		<u>ROW-90 (5-10)-100319</u>	<u>10/3/19</u>	<u>2250</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>2</u>		<u>ROW-90 (10-15)-100319</u>		<u>2300</u>							
<u>3</u>		<u>ROW-90 (15-20)-100319</u>		<u>2310</u>							
<u>4</u>		<u>ROW-90 (20-26)-100319</u>		<u>2320</u>							
<u>5</u>		<u>ROW-90 (26-32)-100319</u>		<u>2330</u>							
<u>6</u>		<u>ROW-90 (32-40)-100319</u>		<u>2335</u>							
<u>7</u>		<u>ROW-90 (40-48)-100319</u>		<u>2340</u>							
<u>8</u>		<u>ROW-90 (40-48)-100319A</u>		<u>2340</u>							
<u>9</u>		<u>ROW-90 (48-56)-100419</u>	<u>10/4/19</u>	<u>0001</u>							
<u>10</u>		<u>ROW-90 (56-64)-100419</u>		<u>0040</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>WS</u>	Date <u>10/4/19</u>	Time <u>1330</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>10/4/19</u>	Time <u>1330</u>	Lab Courier
Relinquished By <u>[Signature]</u>	Company <u>A</u>	Date <u>10/4/19</u>	Time <u>1455</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>10/4/19</u>	Time <u>1455</u>	Shipped
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered

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

Client Comments

Lab Comments:

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)  
 Contact: Andris Slesser  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

Bill To (optional)  
 Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: same  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 PO#/Reference#: \_\_\_\_\_

## Chain of Custody Record

Lab Job # 500-171265  
 Chain of Custody Number: \_\_\_\_\_  
 Page 2 of 4  
 Temperature °C of Cooler: 0.3, 2.3

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
<u>Wester</u>		<u>02056.016.005</u>										
Project Name		Lab Project #		Date		Time		# of Containers		Matrix		
<u>IDOT 40/94</u>												
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix		
<u>Chicago, IL</u>												
Sampler		Lab PM		Date		Time		# of Containers		Matrix		
<u>C. Pece + M. Delio</u>												
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SUOCs	Total metals	TCUP/SPLP	metals	pH
<u>11</u>		<u>ROW-90(64-68)-100419</u>	<u>10/4/19</u>	<u>0115</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>12</u>		<u>ROW-87(24)-100419</u>		<u>0115</u>								
<u>13</u>		<u>ROW-87(4-10)-100419</u>		<u>0120</u>								
<u>14</u>		<u>ROW-87(16-22)-100419</u>		<u>0130</u>								
<u>15</u>		<u>ROW-87(22-30)-100419</u>		<u>0140</u>								
<u>16</u>		<u>ROW-94(4-10)-100419</u>		<u>0230</u>								
<u>17</u>		<u>ROW-94(10-15)-100419</u>		<u>0235</u>								
<u>18</u>		<u>ROW-94(15-20)-100419</u>		<u>0245</u>								
<u>19</u>		<u>ROW-94(20-28)-100419</u>		<u>0255</u>								
<u>20</u>		<u>ROW-94(20-28)-100419</u>		<u>0255</u>								

- Preservative Key
- HCL, Cool to 4°
  - H2SO4, Cool to 4°
  - HNO3, Cool to 4°
  - NaOH, Cool to 4°
  - NaOH/Zn, Cool to 4°
  - NaHSO4
  - Cool to 4°
  - None
  - Other

Turnaround Time Required (Business Days)

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

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>WS</u> Date: <u>10/4/19</u> Time: <u>1330</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/4/19</u> Time: <u>1330</u>	Lab Courier
Relinquished By <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/4/19</u> Time: <u>1455</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/4/19</u> Time: <u>1455</u>	Shipped
Relinquished By	Received By	Hand Delivered

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

Client Comments

Lab Comments:

## ANALYTICAL REPORT

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

Laboratory Job ID: 500-171274-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
10/17/2019 4:11:31 PM

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

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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

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

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

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-95 (0-4)-100419**

**Lab Sample ID: 500-171274-1**

Date Collected: 10/04/19 03:20

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Acetone	<0.016		0.016	0.0069	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0018	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Methylene Chloride	<0.0039		0.0039	0.0016	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	10/04/19 16:56	10/10/19 15:23	1
4-Bromofluorobenzene (Surr)	102		75 - 131	10/04/19 16:56	10/10/19 15:23	1
Dibromofluoromethane	92		75 - 126	10/04/19 16:56	10/10/19 15:23	1
Toluene-d8 (Surr)	96		75 - 124	10/04/19 16:56	10/10/19 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1

Euromins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-95 (0-4)-100419**

**Lab Sample ID: 500-171274-1**

Date Collected: 10/04/19 03:20

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
2,4-Dinitrophenol	<0.77	F1	0.77	0.67	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
<b>2-Methylnaphthalene</b>	<b>0.032</b>	<b>J</b>	0.077	0.0070	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
4-Chloro-3-methylphenol	<0.38	F2	0.38	0.13	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
4-Nitrophenol	<0.77	F2	0.77	0.36	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
<b>Benzo[g,h,i]perylene</b>	<b>0.019</b>	<b>J F1 F2</b>	0.038	0.012	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Carbazole	<0.19	F2 F1	0.19	0.095	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Dibenz(a,h)anthracene	<0.038	F2	0.038	0.0074	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Hexachlorocyclopentadiene	<0.77	F1	0.77	0.22	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Hexachloroethane	<0.19	F2 F1	0.19	0.058	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-95 (0-4)-100419**

**Lab Sample ID: 500-171274-1**

Date Collected: 10/04/19 03:20

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038	F1 F2	0.038	0.0099	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
N-Nitrosodiphenylamine	<0.19	F1	0.19	0.045	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
<b>Phenanthrene</b>	<b>0.13</b>		0.038	0.0053	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	10/11/19 08:13	10/11/19 21:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	83		31 - 143	10/11/19 08:13	10/11/19 21:21	1
2-Fluorobiphenyl	81		43 - 145	10/11/19 08:13	10/11/19 21:21	1
2-Fluorophenol	82		31 - 166	10/11/19 08:13	10/11/19 21:21	1
Nitrobenzene-d5	74		37 - 147	10/11/19 08:13	10/11/19 21:21	1
Phenol-d5	95		30 - 153	10/11/19 08:13	10/11/19 21:21	1
Terphenyl-d14	87		42 - 157	10/11/19 08:13	10/11/19 21:21	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:20	10/13/19 02:35	1
<b>Barium</b>	<b>0.36</b>	<b>J</b>	0.50	0.050	mg/L		10/11/19 15:20	10/13/19 02:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:20	10/13/19 02:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:20	10/13/19 02:35	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:35	1
<b>Cobalt</b>	<b>0.036</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:35	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:35	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:20	10/13/19 02:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:20	10/13/19 02:35	1
<b>Manganese</b>	<b>2.1</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:35	1
<b>Nickel</b>	<b>0.089</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:35	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:20	10/13/19 02:35	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:35	1
<b>Zinc</b>	<b>0.034</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:20	10/13/19 02:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:17	10/12/19 22:51	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:17	10/12/19 22:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:17	10/12/19 22:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:17	10/12/19 22:51	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 22:51	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 22:51	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 22:51	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:17	10/12/19 22:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:17	10/12/19 22:51	1
<b>Manganese</b>	<b>0.025</b>		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 22:51	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 22:51	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:17	10/12/19 22:51	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-95 (0-4)-100419**

**Lab Sample ID: 500-171274-1**

Date Collected: 10/04/19 03:20

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 22:51	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:17	10/12/19 22:51	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.52	J B	1.1	0.21	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Arsenic	8.9		0.55	0.19	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Barium	45		0.55	0.062	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Beryllium	0.74		0.22	0.051	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Cadmium	0.13	B	0.11	0.020	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Calcium	46000	B	110	19	mg/Kg	☼	10/14/19 09:11	10/16/19 15:49	10
Chromium	17		0.55	0.27	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Cobalt	13		0.27	0.072	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Copper	32	B	0.55	0.15	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Iron	21000		11	5.7	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Lead	14		0.27	0.13	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Magnesium	20000	B	5.5	2.7	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Manganese	320		0.55	0.079	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Nickel	34		0.55	0.16	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Potassium	4100		27	9.7	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Selenium	0.98		0.55	0.32	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Silver	2.5		0.27	0.070	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Sodium	660		55	8.1	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Thallium	0.80		0.55	0.27	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Vanadium	22		0.27	0.064	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1
Zinc	47		1.1	0.48	mg/Kg	☼	10/14/19 09:11	10/15/19 15:31	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:37	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.019	0.0062	mg/Kg	☼	10/09/19 14:35	10/10/19 08:05	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.2	0.2	SU			10/08/19 17:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-95 (4-8)-100419**

**Lab Sample ID: 500-171274-2**

**Date Collected: 10/04/19 03:25**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 80.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Acetone	<0.017		0.017	0.0074	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Chloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/04/19 16:56	10/10/19 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	10/04/19 16:56	10/10/19 15:49	1
4-Bromofluorobenzene (Surr)	104		75 - 131	10/04/19 16:56	10/10/19 15:49	1
Dibromofluoromethane	91		75 - 126	10/04/19 16:56	10/10/19 15:49	1
Toluene-d8 (Surr)	96		75 - 124	10/04/19 16:56	10/10/19 15:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-95 (4-8)-100419**

**Lab Sample ID: 500-171274-2**

Date Collected: 10/04/19 03:25

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.088	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
<b>2-Methylnaphthalene</b>	<b>0.042</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
<b>Benzo[g,h,i]perylene</b>	<b>0.021</b>	<b>J</b>	0.039	0.012	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.040	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
<b>Chrysene</b>	<b>0.024</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
<b>Fluorene</b>	<b>0.0086</b>	<b>J</b>	0.039	0.0055	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-95 (4-8)-100419**

**Lab Sample ID: 500-171274-2**

Date Collected: 10/04/19 03:25

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Isophorone	<0.19		0.19	0.044	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
<b>Phenanthrene</b>	<b>0.11</b>		0.039	0.0054	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1
<b>Pyrene</b>	<b>0.019</b>	<b>J</b>	0.039	0.0077	mg/Kg	☼	10/11/19 08:13	10/11/19 21:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	77		31 - 143	10/11/19 08:13	10/11/19 21:47	1
2-Fluorobiphenyl	96		43 - 145	10/11/19 08:13	10/11/19 21:47	1
2-Fluorophenol	92		31 - 166	10/11/19 08:13	10/11/19 21:47	1
Nitrobenzene-d5	86		37 - 147	10/11/19 08:13	10/11/19 21:47	1
Phenol-d5	107		30 - 153	10/11/19 08:13	10/11/19 21:47	1
Terphenyl-d14	98		42 - 157	10/11/19 08:13	10/11/19 21:47	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		10/11/19 15:20	10/13/19 02:40	1
<b>Barium</b>	<b>0.58</b>		0.50	0.050	mg/L		10/11/19 15:20	10/13/19 02:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:20	10/13/19 02:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:20	10/13/19 02:40	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:40	1
<b>Cobalt</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:40	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:40	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:20	10/13/19 02:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:20	10/13/19 02:40	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:40	1
<b>Nickel</b>	<b>0.039</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:40	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:20	10/13/19 02:40	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:40	1
<b>Zinc</b>	<b>0.065</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:20	10/13/19 02:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:17	10/12/19 22:55	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:17	10/12/19 22:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:17	10/12/19 22:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:17	10/12/19 22:55	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 22:55	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 22:55	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 22:55	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:17	10/12/19 22:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:17	10/12/19 22:55	1
<b>Manganese</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:17	10/12/19 22:55	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 22:55	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:17	10/12/19 22:55	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-95 (4-8)-100419**

**Lab Sample ID: 500-171274-2**

Date Collected: 10/04/19 03:25

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.4

**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		10/11/19 15:17	10/12/19 22:55	1
Zinc	0.30	J	0.50	0.020	mg/L		10/11/19 15:17	10/12/19 22:55	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.53	J B	1.2	0.23	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Arsenic	7.1		0.58	0.20	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Barium	43		0.58	0.066	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Beryllium	0.74		0.23	0.054	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Cadmium	0.18	B	0.12	0.021	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Calcium	56000	B	120	20	mg/Kg	☼	10/14/19 09:11	10/16/19 15:53	10
Chromium	18		0.58	0.29	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Cobalt	14		0.29	0.076	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Copper	28	B	0.58	0.16	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Iron	20000		12	6.0	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Lead	13		0.29	0.13	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Magnesium	22000	B	5.8	2.9	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Manganese	310		0.58	0.084	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Nickel	35		0.58	0.17	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Potassium	4100		29	10	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Selenium	0.70		0.58	0.34	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Silver	2.6		0.29	0.075	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Sodium	310		58	8.6	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Thallium	0.92		0.58	0.29	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Vanadium	24		0.29	0.068	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1
Zinc	68		1.2	0.51	mg/Kg	☼	10/14/19 09:11	10/15/19 15:35	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:39	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.020	0.0065	mg/Kg	☼	10/09/19 14:35	10/10/19 08:07	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			10/08/19 17:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-96 (0-4)-100419**

**Lab Sample ID: 500-171274-3**

Date Collected: 10/04/19 03:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
1,2-Dichloroethane	<0.0043		0.0043	0.0014	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
2-Hexanone	<0.0043		0.0043	0.0014	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Acetone	<0.017		0.017	0.0076	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	10/04/19 16:56	10/10/19 16:15	1
4-Bromofluorobenzene (Surr)	106		75 - 131	10/04/19 16:56	10/10/19 16:15	1
Dibromofluoromethane	92		75 - 126	10/04/19 16:56	10/10/19 16:15	1
Toluene-d8 (Surr)	95		75 - 124	10/04/19 16:56	10/10/19 16:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-96 (0-4)-100419**

**Lab Sample ID: 500-171274-3**

Date Collected: 10/04/19 03:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.086	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
<b>2-Methylnaphthalene</b>	<b>0.034</b>	<b>J</b>	0.076	0.0070	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
<b>Acenaphthene</b>	<b>0.018</b>	<b>J</b>	0.038	0.0068	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
<b>Anthracene</b>	<b>0.023</b>	<b>J</b>	0.038	0.0063	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
<b>Benzo[a]anthracene</b>	<b>0.092</b>		0.038	0.0051	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
<b>Benzo[a]pyrene</b>	<b>0.10</b>		0.038	0.0073	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
<b>Benzo[b]fluoranthene</b>	<b>0.12</b>		0.038	0.0082	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
<b>Benzo[g,h,i]perylene</b>	<b>0.058</b>		0.038	0.012	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
<b>Benzo[k]fluoranthene</b>	<b>0.044</b>		0.038	0.011	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
<b>Chrysene</b>	<b>0.13</b>		0.038	0.010	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
<b>Dibenz(a,h)anthracene</b>	<b>0.014</b>	<b>J</b>	0.038	0.0073	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
<b>Fluoranthene</b>	<b>0.16</b>		0.038	0.0070	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
<b>Fluorene</b>	<b>0.012</b>	<b>J</b>	0.038	0.0053	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-96 (0-4)-100419**

**Lab Sample ID: 500-171274-3**

Date Collected: 10/04/19 03:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.049</b>		0.038	0.0098	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
<b>Naphthalene</b>	<b>0.015</b>	<b>J</b>	0.038	0.0058	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
<b>Phenanthrene</b>	<b>0.21</b>		0.038	0.0053	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
<b>Pyrene</b>	<b>0.18</b>		0.038	0.0075	mg/Kg	☼	10/11/19 08:13	10/11/19 22:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	95		31 - 143				10/11/19 08:13	10/11/19 22:12	1
2-Fluorobiphenyl	92		43 - 145				10/11/19 08:13	10/11/19 22:12	1
2-Fluorophenol	94		31 - 166				10/11/19 08:13	10/11/19 22:12	1
Nitrobenzene-d5	81		37 - 147				10/11/19 08:13	10/11/19 22:12	1
Phenol-d5	102		30 - 153				10/11/19 08:13	10/11/19 22:12	1
Terphenyl-d14	90		42 - 157				10/11/19 08:13	10/11/19 22:12	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:20	10/13/19 02:44	1
<b>Barium</b>	<b>0.26</b>	<b>J</b>	0.50	0.050	mg/L		10/11/19 15:20	10/13/19 02:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:20	10/13/19 02:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:20	10/13/19 02:44	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:44	1
<b>Cobalt</b>	<b>0.032</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:44	1
<b>Copper</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:44	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:20	10/13/19 02:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:20	10/13/19 02:44	1
<b>Manganese</b>	<b>2.1</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:44	1
<b>Nickel</b>	<b>0.072</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:44	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:20	10/13/19 02:44	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:44	1
<b>Zinc</b>	<b>0.12</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:20	10/13/19 02:44	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		10/11/19 15:17	10/12/19 22:59	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:17	10/12/19 22:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:17	10/12/19 22:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:17	10/12/19 22:59	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 22:59	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 22:59	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 22:59	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:17	10/12/19 22:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:17	10/12/19 22:59	1
<b>Manganese</b>	<b>0.032</b>		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 22:59	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 22:59	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:17	10/12/19 22:59	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-96 (0-4)-100419**

**Lab Sample ID: 500-171274-3**

Date Collected: 10/04/19 03:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 86.1

**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		10/11/19 15:17	10/12/19 22:59	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:17	10/12/19 22:59	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.55	J B	1.1	0.22	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Arsenic	7.9		0.57	0.20	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Barium	45		0.57	0.065	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Beryllium	0.78		0.23	0.054	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Cadmium	0.21	B	0.11	0.021	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Calcium	48000	B	110	19	mg/Kg	☼	10/14/19 09:11	10/16/19 15:57	10
Chromium	18		0.57	0.28	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Cobalt	13		0.29	0.075	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Copper	38	B	0.57	0.16	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Iron	20000		11	6.0	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Lead	20		0.29	0.13	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Magnesium	21000	B	5.7	2.8	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Manganese	290		0.57	0.083	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Nickel	38		0.57	0.17	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Potassium	4500		29	10	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Selenium	1.0		0.57	0.34	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Silver	2.7		0.29	0.074	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Sodium	490		57	8.5	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Thallium	0.93		0.57	0.29	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Vanadium	24		0.29	0.068	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1
Zinc	59		1.1	0.50	mg/Kg	☼	10/14/19 09:11	10/15/19 15:47	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:40	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.037		0.018	0.0060	mg/Kg	☼	10/09/19 14:35	10/10/19 08:09	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.6		0.2	0.2	SU			10/08/19 17:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-96 (4-8)-100419**

**Lab Sample ID: 500-171274-4**

**Date Collected: 10/04/19 03:45**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 79.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1
Xylenes, Total	<0.0035		0.0035	0.00055	mg/Kg	☼	10/04/19 16:56	10/10/19 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	10/04/19 16:56	10/10/19 16:40	1
4-Bromofluorobenzene (Surr)	101		75 - 131	10/04/19 16:56	10/10/19 16:40	1
Dibromofluoromethane	94		75 - 126	10/04/19 16:56	10/10/19 16:40	1
Toluene-d8 (Surr)	95		75 - 124	10/04/19 16:56	10/10/19 16:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-96 (4-8)-100419**

**Lab Sample ID: 500-171274-4**

Date Collected: 10/04/19 03:45

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
<b>2-Methylnaphthalene</b>	<b>0.043</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
<b>Benzo[a]pyrene</b>	<b>0.018</b>	<b>J</b>	0.040	0.0079	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
<b>Benzo[g,h,i]perylene</b>	<b>0.018</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
<b>Chrysene</b>	<b>0.037</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
<b>Fluoranthene</b>	<b>0.0097</b>	<b>J</b>	0.040	0.0075	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
<b>Fluorene</b>	<b>0.0087</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-96 (4-8)-100419**

**Lab Sample ID: 500-171274-4**

Date Collected: 10/04/19 03:45

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.8

**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	<0.040		0.040	0.011	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
<b>Naphthalene</b>	<b>0.018</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
<b>Phenanthrene</b>	<b>0.15</b>		0.040	0.0057	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1
<b>Pyrene</b>	<b>0.024</b>	<b>J</b>	0.040	0.0081	mg/Kg	☼	10/11/19 08:13	10/11/19 22:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	57		31 - 143	10/11/19 08:13	10/11/19 22:37	1
2-Fluorobiphenyl	75		43 - 145	10/11/19 08:13	10/11/19 22:37	1
2-Fluorophenol	103		31 - 166	10/11/19 08:13	10/11/19 22:37	1
Nitrobenzene-d5	65		37 - 147	10/11/19 08:13	10/11/19 22:37	1
Phenol-d5	121		30 - 153	10/11/19 08:13	10/11/19 22:37	1
Terphenyl-d14	77		42 - 157	10/11/19 08:13	10/11/19 22:37	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:20	10/13/19 02:48	1
<b>Barium</b>	<b>0.56</b>		0.50	0.050	mg/L		10/11/19 15:20	10/13/19 02:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:20	10/13/19 02:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:20	10/13/19 02:48	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:48	1
<b>Cobalt</b>	<b>0.020</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:48	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:48	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:20	10/13/19 02:48	1
<b>Lead</b>	<b>0.0090</b>		0.0075	0.0075	mg/L		10/11/19 15:20	10/13/19 02:48	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:48	1
<b>Nickel</b>	<b>0.053</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:48	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:20	10/13/19 02:48	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:48	1
<b>Zinc</b>	<b>0.11</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:20	10/13/19 02:48	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		10/11/19 15:17	10/12/19 23:11	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:17	10/12/19 23:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:17	10/12/19 23:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:17	10/12/19 23:11	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:11	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:11	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:11	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:17	10/12/19 23:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:17	10/12/19 23:11	1
<b>Manganese</b>	<b>0.035</b>		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:11	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:11	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:17	10/12/19 23:11	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-96 (4-8)-100419**

**Lab Sample ID: 500-171274-4**

Date Collected: 10/04/19 03:45

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.8

**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		10/11/19 15:17	10/12/19 23:11	1
<b>Zinc</b>	<b>0.052</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:17	10/12/19 23:11	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.59</b>	<b>J B</b>	1.2	0.24	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Arsenic</b>	<b>8.4</b>		0.62	0.21	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Barium</b>	<b>40</b>		0.62	0.071	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Beryllium</b>	<b>0.83</b>		0.25	0.058	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Cadmium</b>	<b>0.17</b>	<b>B</b>	0.12	0.022	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Calcium</b>	<b>35000</b>	<b>B</b>	12	2.1	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Chromium</b>	<b>17</b>		0.62	0.31	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Cobalt</b>	<b>15</b>		0.31	0.082	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Copper</b>	<b>36</b>	<b>B</b>	0.62	0.17	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Iron</b>	<b>21000</b>		12	6.5	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Lead</b>	<b>15</b>		0.31	0.14	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Magnesium</b>	<b>20000</b>	<b>B</b>	6.2	3.1	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Manganese</b>	<b>320</b>		0.62	0.090	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Nickel</b>	<b>40</b>		0.62	0.18	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Potassium</b>	<b>4500</b>		31	11	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Selenium</b>	<b>0.78</b>		0.62	0.37	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Silver</b>	<b>2.7</b>		0.31	0.080	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Sodium</b>	<b>350</b>		62	9.2	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Thallium</b>	<b>1.0</b>		0.62	0.31	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Vanadium</b>	<b>24</b>		0.31	0.074	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1
<b>Zinc</b>	<b>48</b>		1.2	0.55	mg/Kg	☼	10/14/19 09:11	10/15/19 15:51	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:42	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.021</b>		0.019	0.0064	mg/Kg	☼	10/09/19 14:35	10/10/19 08:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.7</b>		0.2	0.2	SU			10/08/19 19:39	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-89 (10-16)-100419**

**Lab Sample ID: 500-171274-5**

**Date Collected: 10/04/19 02:40**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 80.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Acetone	<0.018		0.018	0.0077	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0020	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1
Xylenes, Total	<0.0035		0.0035	0.00057	mg/Kg	☼	10/04/19 16:56	10/10/19 17:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	10/04/19 16:56	10/10/19 17:05	1
4-Bromofluorobenzene (Surr)	102		75 - 131	10/04/19 16:56	10/10/19 17:05	1
Dibromofluoromethane	93		75 - 126	10/04/19 16:56	10/10/19 17:05	1
Toluene-d8 (Surr)	94		75 - 124	10/04/19 16:56	10/10/19 17:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-89 (10-16)-100419**

**Lab Sample ID: 500-171274-5**

Date Collected: 10/04/19 02:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
<b>2-Methylnaphthalene</b>	<b>0.030</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
<b>Benzo[a]anthracene</b>	<b>0.0059</b>	<b>J</b>	0.039	0.0052	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
<b>Chrysene</b>	<b>0.032</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
<b>Fluoranthene</b>	<b>0.013</b>	<b>J</b>	0.039	0.0072	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-89 (10-16)-100419**

**Lab Sample ID: 500-171274-5**

Date Collected: 10/04/19 02:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
<b>Phenanthrene</b>	<b>0.13</b>		0.039	0.0054	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1
<b>Pyrene</b>	<b>0.026</b>	<b>J</b>	0.039	0.0077	mg/Kg	☼	10/11/19 08:13	10/11/19 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	83		31 - 143	10/11/19 08:13	10/11/19 23:03	1
2-Fluorobiphenyl	79		43 - 145	10/11/19 08:13	10/11/19 23:03	1
2-Fluorophenol	87		31 - 166	10/11/19 08:13	10/11/19 23:03	1
Nitrobenzene-d5	54		37 - 147	10/11/19 08:13	10/11/19 23:03	1
Phenol-d5	92		30 - 153	10/11/19 08:13	10/11/19 23:03	1
Terphenyl-d14	84		42 - 157	10/11/19 08:13	10/11/19 23:03	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:20	10/13/19 02:53	1
<b>Barium</b>	<b>0.42</b>	<b>J</b>	0.50	0.050	mg/L		10/11/19 15:20	10/13/19 02:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:20	10/13/19 02:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:20	10/13/19 02:53	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:53	1
<b>Cobalt</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:53	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:53	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:20	10/13/19 02:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:20	10/13/19 02:53	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:53	1
<b>Nickel</b>	<b>0.047</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:53	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:20	10/13/19 02:53	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:53	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:20	10/13/19 02:53	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		10/11/19 15:17	10/12/19 23:15	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:17	10/12/19 23:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:17	10/12/19 23:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:17	10/12/19 23:15	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:15	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:15	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:15	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:17	10/12/19 23:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:17	10/12/19 23:15	1
<b>Manganese</b>	<b>0.027</b>		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:15	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:15	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:17	10/12/19 23:15	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-89 (10-16)-100419**

**Lab Sample ID: 500-171274-5**

Date Collected: 10/04/19 02:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.2

**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		10/11/19 15:17	10/12/19 23:15	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:17	10/12/19 23:15	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.45	J B	1.2	0.23	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Arsenic	8.1		0.60	0.20	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Barium	38		0.60	0.068	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Beryllium	0.79		0.24	0.056	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Cadmium	0.21	B	0.12	0.021	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Calcium	50000	B	120	20	mg/Kg	☼	10/14/19 09:11	10/16/19 16:01	10
Chromium	17		0.60	0.29	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Cobalt	15		0.30	0.078	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Copper	34	B	0.60	0.17	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Iron	20000		12	6.2	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Lead	15		0.30	0.14	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Magnesium	22000	B	6.0	3.0	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Manganese	290		0.60	0.086	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Nickel	38		0.60	0.17	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Potassium	4200		30	11	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Selenium	0.78		0.60	0.35	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Silver	2.5		0.30	0.077	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Sodium	400		60	8.8	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Thallium	1.2		0.60	0.30	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Vanadium	24		0.30	0.070	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1
Zinc	58		1.2	0.52	mg/Kg	☼	10/14/19 09:11	10/15/19 15:55	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:43	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.019	0.0063	mg/Kg	☼	10/09/19 14:35	10/10/19 08:13	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.6		0.2	0.2	SU			10/08/19 19:39	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-89 (16-22)-100419**

**Lab Sample ID: 500-171274-6**

**Date Collected: 10/04/19 02:50**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 80.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00065	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00062	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00083	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
1,1-Dichloroethene	<0.0019		0.0019	0.00067	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00068	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Acetone	<0.019		0.019	0.0084	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Bromoform	<0.0019		0.0019	0.00057	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Carbon disulfide	<0.0048		0.0048	0.0010	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Chlorobenzene	<0.0019		0.0019	0.00071	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Chloroform	<0.0019		0.0019	0.00067	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Ethylbenzene	<0.0019		0.0019	0.00093	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0022	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00057	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Styrene	<0.0019		0.0019	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Tetrachloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Toluene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00086	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00068	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Vinyl chloride	<0.0019		0.0019	0.00086	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1
Xylenes, Total	<0.0039		0.0039	0.00062	mg/Kg	☼	10/04/19 16:56	10/10/19 17:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	10/04/19 16:56	10/10/19 17:31	1
4-Bromofluorobenzene (Surr)	100		75 - 131	10/04/19 16:56	10/10/19 17:31	1
Dibromofluoromethane	95		75 - 126	10/04/19 16:56	10/10/19 17:31	1
Toluene-d8 (Surr)	95		75 - 124	10/04/19 16:56	10/10/19 17:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-89 (16-22)-100419**

**Lab Sample ID: 500-171274-6**

Date Collected: 10/04/19 02:50

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
<b>2-Methylnaphthalene</b>	<b>0.060</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
<b>Acenaphthene</b>	<b>0.0098</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Benzo[a]pyrene	<0.040		0.040	0.0079	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
<b>Benzo[g,h,i]perylene</b>	<b>0.031</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
<b>Fluoranthene</b>	<b>0.0085</b>	<b>J</b>	0.040	0.0075	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-89 (16-22)-100419**

**Lab Sample ID: 500-171274-6**

Date Collected: 10/04/19 02:50

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.011	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
N-Nitrosodiphenylamine	<0.20	*	0.20	0.048	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
<b>Phenanthrene</b>	<b>0.15</b>		0.040	0.0057	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
<b>Pyrene</b>	<b>0.032</b>	<b>J</b>	0.040	0.0081	mg/Kg	☼	10/14/19 16:28	10/15/19 12:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	59		31 - 143				10/14/19 16:28	10/15/19 12:57	1
2-Fluorobiphenyl	97		43 - 145				10/14/19 16:28	10/15/19 12:57	1
2-Fluorophenol	113		31 - 166				10/14/19 16:28	10/15/19 12:57	1
Nitrobenzene-d5	86		37 - 147				10/14/19 16:28	10/15/19 12:57	1
Phenol-d5	104		30 - 153				10/14/19 16:28	10/15/19 12:57	1
Terphenyl-d14	105		42 - 157				10/14/19 16:28	10/15/19 12:57	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:20	10/13/19 02:57	1
<b>Barium</b>	<b>0.63</b>		0.50	0.050	mg/L		10/11/19 15:20	10/13/19 02:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:20	10/13/19 02:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:20	10/13/19 02:57	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:57	1
<b>Cobalt</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:57	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:57	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:20	10/13/19 02:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:20	10/13/19 02:57	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:57	1
<b>Nickel</b>	<b>0.048</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:57	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:20	10/13/19 02:57	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 02:57	1
<b>Zinc</b>	<b>0.031</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:20	10/13/19 02:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:17	10/12/19 23:19	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:17	10/12/19 23:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:17	10/12/19 23:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:17	10/12/19 23:19	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:19	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:19	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:19	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:17	10/12/19 23:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:17	10/12/19 23:19	1
<b>Manganese</b>	<b>0.025</b>		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:19	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:19	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:17	10/12/19 23:19	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-89 (16-22)-100419**

**Lab Sample ID: 500-171274-6**

Date Collected: 10/04/19 02:50

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.4

**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		10/11/19 15:17	10/12/19 23:19	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:17	10/12/19 23:19	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.60	J B	1.2	0.24	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Arsenic	7.5		0.60	0.21	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Barium	48		0.60	0.069	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Beryllium	0.79		0.24	0.056	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Cadmium	0.20	B	0.12	0.022	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Calcium	54000	B	120	20	mg/Kg	☼	10/14/19 09:11	10/16/19 16:05	10
Chromium	18		0.60	0.30	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Cobalt	14		0.30	0.079	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Copper	30	B	0.60	0.17	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Iron	21000		12	6.3	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Lead	13		0.30	0.14	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Magnesium	22000	B	6.0	3.0	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Manganese	320		0.60	0.088	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Nickel	36		0.60	0.18	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Potassium	4300		30	11	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Selenium	0.59	J	0.60	0.36	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Silver	2.7		0.30	0.078	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Sodium	220		60	8.9	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Thallium	0.96		0.60	0.30	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Vanadium	24		0.30	0.071	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1
Zinc	60		1.2	0.53	mg/Kg	☼	10/14/19 09:11	10/15/19 15:59	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:45	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.020	0.0068	mg/Kg	☼	10/09/19 14:35	10/10/19 08:15	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			10/08/19 19:39	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-89 (22-30)-100419**

**Lab Sample ID: 500-171274-7**

Date Collected: 10/04/19 02:55

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Acetone	<0.017		0.017	0.0073	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Chloroethane	<0.0042		0.0042	0.0012	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/04/19 16:56	10/10/19 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	10/04/19 16:56	10/10/19 17:56	1
4-Bromofluorobenzene (Surr)	101		75 - 131	10/04/19 16:56	10/10/19 17:56	1
Dibromofluoromethane	95		75 - 126	10/04/19 16:56	10/10/19 17:56	1
Toluene-d8 (Surr)	95		75 - 124	10/04/19 16:56	10/10/19 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-89 (22-30)-100419**

**Lab Sample ID: 500-171274-7**

Date Collected: 10/04/19 02:55

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
<b>2-Methylnaphthalene</b>	<b>0.039</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
<b>Acenaphthene</b>	<b>0.0098</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
<b>Benzo[a]pyrene</b>	<b>0.015</b>	<b>J</b>	0.040	0.0078	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
<b>Benzo[g,h,i]perylene</b>	<b>0.014</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
<b>Chrysene</b>	<b>0.021</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
<b>Fluorene</b>	<b>0.0069</b>	<b>J</b>	0.040	0.0056	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-89 (22-30)-100419**

**Lab Sample ID: 500-171274-7**

Date Collected: 10/04/19 02:55

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.011</b>	<b>J</b>	0.040	0.010	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
<b>Phenanthrene</b>	<b>0.11</b>		0.040	0.0056	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
<b>Pyrene</b>	<b>0.016</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/11/19 08:13	10/11/19 23:53	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	57		31 - 143				10/11/19 08:13	10/11/19 23:53	1
<i>2-Fluorobiphenyl</i>	85		43 - 145				10/11/19 08:13	10/11/19 23:53	1
<i>2-Fluorophenol</i>	83		31 - 166				10/11/19 08:13	10/11/19 23:53	1
<i>Nitrobenzene-d5</i>	73		37 - 147				10/11/19 08:13	10/11/19 23:53	1
<i>Phenol-d5</i>	90		30 - 153				10/11/19 08:13	10/11/19 23:53	1
<i>Terphenyl-d14</i>	80		42 - 157				10/11/19 08:13	10/11/19 23:53	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		10/11/19 15:20	10/13/19 03:01	1
<b>Barium</b>	<b>0.60</b>		0.50	0.050	mg/L		10/11/19 15:20	10/13/19 03:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:20	10/13/19 03:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:20	10/13/19 03:01	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:01	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:01	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:01	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:20	10/13/19 03:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:20	10/13/19 03:01	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:01	1
<b>Nickel</b>	<b>0.037</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:01	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:20	10/13/19 03:01	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:01	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:20	10/13/19 03:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:17	10/12/19 23:23	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:17	10/12/19 23:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:17	10/12/19 23:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:17	10/12/19 23:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:23	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:23	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:23	1
<b>Iron</b>	<b>0.52</b>		0.40	0.20	mg/L		10/11/19 15:17	10/12/19 23:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:17	10/12/19 23:23	1
Manganese	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:23	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:23	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:17	10/12/19 23:23	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-89 (22-30)-100419**

**Lab Sample ID: 500-171274-7**

Date Collected: 10/04/19 02:55

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:23	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:17	10/12/19 23:23	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.77	J B	1.2	0.23	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Arsenic	7.4		0.60	0.21	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Barium	44		0.60	0.069	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Beryllium	0.73		0.24	0.056	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Cadmium	0.17	B	0.12	0.022	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Calcium	57000	B	120	20	mg/Kg	☼	10/14/19 09:11	10/16/19 16:09	10
Chromium	17		0.60	0.30	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Cobalt	14		0.30	0.079	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Copper	28	B	0.60	0.17	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Iron	20000		12	6.3	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Lead	13		0.30	0.14	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Magnesium	23000	B	6.0	3.0	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Manganese	330		0.60	0.088	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Nickel	36		0.60	0.18	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Potassium	4200		30	11	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Selenium	0.62		0.60	0.35	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Silver	2.6		0.30	0.078	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Sodium	210		60	8.9	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Thallium	1.0		0.60	0.30	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Vanadium	24		0.30	0.071	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1
Zinc	53		1.2	0.53	mg/Kg	☼	10/14/19 09:11	10/15/19 16:03	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:46	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.019	0.0065	mg/Kg	☼	10/09/19 14:35	10/10/19 08:17	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/08/19 19:39	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-89 (30-35)-100419**

**Lab Sample ID: 500-171274-8**

**Date Collected: 10/04/19 03:10**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 80.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Acetone	<0.017		0.017	0.0076	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Carbon tetrachloride	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Chloroform	<0.0017		0.0017	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00053	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Styrene	<0.0017		0.0017	0.00053	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	10/04/19 16:56	10/10/19 18:21	1
4-Bromofluorobenzene (Surr)	98		75 - 131	10/04/19 16:56	10/10/19 18:21	1
Dibromofluoromethane	95		75 - 126	10/04/19 16:56	10/10/19 18:21	1
Toluene-d8 (Surr)	95		75 - 124	10/04/19 16:56	10/10/19 18:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-89 (30-35)-100419**

**Lab Sample ID: 500-171274-8**

Date Collected: 10/04/19 03:10

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
<b>2-Methylnaphthalene</b>	<b>0.034</b>	<b>J</b>	0.083	0.0076	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
<b>Acenaphthene</b>	<b>0.011</b>	<b>J</b>	0.041	0.0074	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
<b>Benzo[a]pyrene</b>	<b>0.015</b>	<b>J</b>	0.041	0.0079	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
<b>Benzo[g,h,i]perylene</b>	<b>0.013</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
<b>Chrysene</b>	<b>0.021</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
<b>Fluorene</b>	<b>0.0073</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-89 (30-35)-100419**

**Lab Sample ID: 500-171274-8**

**Date Collected: 10/04/19 03:10**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 80.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.011</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
<b>Phenanthrene</b>	<b>0.092</b>		0.041	0.0057	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
<b>Pyrene</b>	<b>0.017</b>	<b>J</b>	0.041	0.0082	mg/Kg	☼	10/11/19 08:13	10/12/19 00:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	52		31 - 143				10/11/19 08:13	10/12/19 00:19	1
2-Fluorobiphenyl	68		43 - 145				10/11/19 08:13	10/12/19 00:19	1
2-Fluorophenol	67		31 - 166				10/11/19 08:13	10/12/19 00:19	1
Nitrobenzene-d5	59		37 - 147				10/11/19 08:13	10/12/19 00:19	1
Phenol-d5	72		30 - 153				10/11/19 08:13	10/12/19 00:19	1
Terphenyl-d14	68		42 - 157				10/11/19 08:13	10/12/19 00:19	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		10/11/19 15:20	10/13/19 03:06	1
<b>Barium</b>	<b>0.56</b>		0.50	0.050	mg/L		10/11/19 15:20	10/13/19 03:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:20	10/13/19 03:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:20	10/13/19 03:06	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:06	1
<b>Cobalt</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:06	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:06	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:20	10/13/19 03:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:20	10/13/19 03:06	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:06	1
<b>Nickel</b>	<b>0.033</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:06	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:20	10/13/19 03:06	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:06	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:20	10/13/19 03:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:17	10/12/19 23:27	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:17	10/12/19 23:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:17	10/12/19 23:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:17	10/12/19 23:27	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:27	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:27	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:27	1
<b>Iron</b>	<b>2.0</b>		0.40	0.20	mg/L		10/11/19 15:17	10/12/19 23:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:17	10/12/19 23:27	1
<b>Manganese</b>	<b>0.023</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:27	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:17	10/12/19 23:27	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-89 (30-35)-100419**

**Lab Sample ID: 500-171274-8**

Date Collected: 10/04/19 03:10

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.8

**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		10/11/19 15:17	10/12/19 23:27	1
Zinc	0.026	J	0.50	0.020	mg/L		10/11/19 15:17	10/12/19 23:27	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.67	J B	1.2	0.23	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Arsenic	9.8		0.60	0.21	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Barium	41		0.60	0.069	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Beryllium	0.79		0.24	0.056	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Cadmium	0.19	B	0.12	0.022	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Calcium	50000	B	120	20	mg/Kg	☼	10/14/19 09:11	10/16/19 16:13	10
Chromium	17		0.60	0.30	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Cobalt	16		0.30	0.079	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Copper	34	B	0.60	0.17	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Iron	21000		12	6.3	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Lead	16		0.30	0.14	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Magnesium	21000	B	6.0	3.0	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Manganese	300		0.60	0.087	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Nickel	42		0.60	0.18	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Potassium	4000		30	11	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Selenium	0.74		0.60	0.35	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Silver	2.6		0.30	0.078	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Sodium	230		60	8.9	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Thallium	1.3		0.60	0.30	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Vanadium	24		0.30	0.071	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1
Zinc	60		1.2	0.53	mg/Kg	☼	10/14/19 09:11	10/15/19 16:07	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:48	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.019	0.0065	mg/Kg	☼	10/09/19 14:35	10/10/19 08:20	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/08/19 19:39	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (4-10)-100419**

**Lab Sample ID: 500-171274-9**

**Date Collected: 10/04/19 03:30**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 80.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
1,2-Dichloroethane	<0.0043		0.0043	0.0014	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
2-Hexanone	<0.0043		0.0043	0.0014	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Acetone	<0.017		0.017	0.0076	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Styrene	<0.0017		0.0017	0.00053	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 18:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	10/04/19 16:56	10/10/19 18:47	1
4-Bromofluorobenzene (Surr)	97		75 - 131	10/04/19 16:56	10/10/19 18:47	1
Dibromofluoromethane	93		75 - 126	10/04/19 16:56	10/10/19 18:47	1
Toluene-d8 (Surr)	94		75 - 124	10/04/19 16:56	10/10/19 18:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (4-10)-100419**

**Lab Sample ID: 500-171274-9**

Date Collected: 10/04/19 03:30

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.091	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
<b>2-Methylnaphthalene</b>	<b>0.037</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
4-Chloro-3-methylphenol	<0.39		0.39	0.14	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
<b>Acenaphthene</b>	<b>0.0090</b>	<b>J</b>	0.039	0.0071	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
<b>Benzo[a]pyrene</b>	<b>0.012</b>	<b>J</b>	0.039	0.0077	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Benzo[b]fluoranthene	<0.039		0.039	0.0086	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
<b>Chrysene</b>	<b>0.015</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Fluoranthene	<0.039		0.039	0.0074	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (4-10)-100419**

**Lab Sample ID: 500-171274-9**

Date Collected: 10/04/19 03:30

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
<b>Naphthalene</b>	<b>0.0078</b>	<b>J</b>	0.039	0.0061	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
<b>Phenanthrene</b>	<b>0.065</b>		0.039	0.0055	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
<b>Pyrene</b>	<b>0.012</b>	<b>J</b>	0.039	0.0079	mg/Kg	☼	10/11/19 08:13	10/12/19 00:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	59		31 - 143				10/11/19 08:13	10/12/19 00:44	1
2-Fluorobiphenyl	78		43 - 145				10/11/19 08:13	10/12/19 00:44	1
2-Fluorophenol	66		31 - 166				10/11/19 08:13	10/12/19 00:44	1
Nitrobenzene-d5	66		37 - 147				10/11/19 08:13	10/12/19 00:44	1
Phenol-d5	82		30 - 153				10/11/19 08:13	10/12/19 00:44	1
Terphenyl-d14	74		42 - 157				10/11/19 08:13	10/12/19 00:44	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:20	10/13/19 03:10	1
<b>Barium</b>	<b>0.54</b>		0.50	0.050	mg/L		10/11/19 15:20	10/13/19 03:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:20	10/13/19 03:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:20	10/13/19 03:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:10	1
<b>Cobalt</b>	<b>0.016</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:10	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:10	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:20	10/13/19 03:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:20	10/13/19 03:10	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:10	1
<b>Nickel</b>	<b>0.045</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:10	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:20	10/13/19 03:10	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:10	1
<b>Zinc</b>	<b>0.027</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:20	10/13/19 03:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:17	10/12/19 23:31	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:17	10/12/19 23:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:17	10/12/19 23:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:17	10/12/19 23:31	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:31	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:31	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:31	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:17	10/12/19 23:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:17	10/12/19 23:31	1
<b>Manganese</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:31	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:31	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:17	10/12/19 23:31	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (4-10)-100419**

**Lab Sample ID: 500-171274-9**

Date Collected: 10/04/19 03:30

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:31	1
Zinc	0.020	J	0.50	0.020	mg/L		10/11/19 15:17	10/12/19 23:31	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J B	1.2	0.23	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Arsenic	7.5		0.60	0.20	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Barium	43		0.60	0.068	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Beryllium	0.73		0.24	0.056	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Cadmium	0.20	B	0.12	0.021	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Calcium	56000	B	120	20	mg/Kg	☼	10/14/19 09:11	10/16/19 16:17	10
Chromium	18		0.60	0.30	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Cobalt	14		0.30	0.078	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Copper	29	B	0.60	0.17	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Iron	20000		12	6.2	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Lead	13		0.30	0.14	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Magnesium	23000	B	6.0	3.0	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Manganese	320		0.60	0.086	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Nickel	36		0.60	0.17	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Potassium	4000		30	11	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Selenium	0.80		0.60	0.35	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Silver	2.7		0.30	0.077	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Sodium	350		60	8.8	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Thallium	0.89		0.60	0.30	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Vanadium	24		0.30	0.070	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1
Zinc	58		1.2	0.52	mg/Kg	☼	10/14/19 09:11	10/15/19 16:11	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:53	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.018	0.0060	mg/Kg	☼	10/09/19 14:35	10/10/19 08:22	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/08/19 19:39	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (10-16)-100419**

**Lab Sample ID: 500-171274-10**

**Date Collected: 10/04/19 03:40**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 80.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00075	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
1,1-Dichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
1,2-Dichloropropane	<0.0018		0.0018	0.00045	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Acetone	<0.018		0.018	0.0076	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Bromoform	<0.0018		0.0018	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Dibromochloromethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Ethylbenzene	<0.0018		0.0018	0.00084	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Toluene	<0.0018		0.0018	0.00044	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Trichloroethene	<0.0018		0.0018	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Vinyl chloride	<0.0018		0.0018	0.00077	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	10/04/19 16:56	10/10/19 19:12	1
4-Bromofluorobenzene (Surr)	97		75 - 131	10/04/19 16:56	10/10/19 19:12	1
Dibromofluoromethane	95		75 - 126	10/04/19 16:56	10/10/19 19:12	1
Toluene-d8 (Surr)	94		75 - 124	10/04/19 16:56	10/10/19 19:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
1,4-Dichlorobenzene	<0.21		0.21	0.052	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (10-16)-100419**

**Lab Sample ID: 500-171274-10**

Date Collected: 10/04/19 03:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.093	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
2,4-Dimethylphenol	<0.41		0.41	0.15	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
2,6-Dinitrotoluene	<0.21		0.21	0.080	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
<b>2-Methylnaphthalene</b>	<b>0.026</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
2-Methylphenol	<0.21		0.21	0.065	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
2-Nitrophenol	<0.41		0.41	0.096	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
<b>Acenaphthene</b>	<b>0.011</b>	<b>J</b>	0.041	0.0073	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Anthracene	<0.041		0.041	0.0068	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
<b>Benzo[a]pyrene</b>	<b>0.016</b>	<b>J</b>	0.041	0.0079	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Benzo[b]fluoranthene	<0.041		0.041	0.0088	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
<b>Chrysene</b>	<b>0.021</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Dimethyl phthalate	<0.21		0.21	0.053	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Fluorene	<0.041		0.041	0.0057	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Hexachlorobenzene	<0.082		0.082	0.0095	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (10-16)-100419**

**Lab Sample ID: 500-171274-10**

Date Collected: 10/04/19 03:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.011</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
<b>Phenanthrene</b>	<b>0.085</b>		0.041	0.0057	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
<b>Pyrene</b>	<b>0.017</b>	<b>J</b>	0.041	0.0081	mg/Kg	☼	10/11/19 08:13	10/12/19 01:09	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	52		31 - 143				10/11/19 08:13	10/12/19 01:09	1
<i>2-Fluorobiphenyl</i>	67		43 - 145				10/11/19 08:13	10/12/19 01:09	1
<i>2-Fluorophenol</i>	62		31 - 166				10/11/19 08:13	10/12/19 01:09	1
<i>Nitrobenzene-d5</i>	54		37 - 147				10/11/19 08:13	10/12/19 01:09	1
<i>Phenol-d5</i>	70		30 - 153				10/11/19 08:13	10/12/19 01:09	1
<i>Terphenyl-d14</i>	71		42 - 157				10/11/19 08:13	10/12/19 01:09	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:20	10/13/19 03:14	1
<b>Barium</b>	<b>0.54</b>		0.50	0.050	mg/L		10/11/19 15:20	10/13/19 03:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:20	10/13/19 03:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:20	10/13/19 03:14	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:14	1
<b>Cobalt</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:14	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:14	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:20	10/13/19 03:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:20	10/13/19 03:14	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:14	1
<b>Nickel</b>	<b>0.038</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:14	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:20	10/13/19 03:14	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:14	1
<b>Zinc</b>	<b>0.027</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:20	10/13/19 03:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:17	10/12/19 23:35	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:17	10/12/19 23:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:17	10/12/19 23:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:17	10/12/19 23:35	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:35	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:35	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:35	1
<b>Iron</b>	<b>0.24</b>	<b>J</b>	0.40	0.20	mg/L		10/11/19 15:17	10/12/19 23:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:17	10/12/19 23:35	1
<b>Manganese</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:35	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:35	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:17	10/12/19 23:35	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (10-16)-100419**

**Lab Sample ID: 500-171274-10**

Date Collected: 10/04/19 03:40

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:35	1
Zinc	0.022	J	0.50	0.020	mg/L		10/11/19 15:17	10/12/19 23:35	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.55	J B	1.2	0.23	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Arsenic	7.3		0.59	0.20	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Barium	41		0.59	0.067	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Beryllium	0.72		0.24	0.055	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Cadmium	0.19	B	0.12	0.021	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Calcium	53000	B	120	20	mg/Kg	☼	10/14/19 09:11	10/16/19 16:29	10
Chromium	16		0.59	0.29	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Cobalt	14		0.29	0.077	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Copper	29	B	0.59	0.16	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Iron	19000		12	6.1	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Lead	13		0.29	0.14	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Magnesium	22000	B	5.9	2.9	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Manganese	310		0.59	0.085	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Nickel	35		0.59	0.17	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Potassium	4000		29	10	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Selenium	0.88		0.59	0.35	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Silver	2.6		0.29	0.076	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Sodium	270		59	8.7	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Thallium	0.90		0.59	0.29	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Vanadium	23		0.29	0.069	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1
Zinc	53		1.2	0.52	mg/Kg	☼	10/14/19 09:11	10/15/19 16:15	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 09:55	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.020	0.0065	mg/Kg	☼	10/09/19 14:35	10/10/19 08:24	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/08/19 19:39	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (16-22)-100419**

**Lab Sample ID: 500-171274-11**

**Date Collected: 10/04/19 03:50**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 79.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Acetone	<0.018		0.018	0.0077	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Bromoform	<0.0018		0.0018	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Ethylbenzene	<0.0018		0.0018	0.00084	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0020	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	10/04/19 16:56	10/10/19 19:37	1
4-Bromofluorobenzene (Surr)	98		75 - 131	10/04/19 16:56	10/10/19 19:37	1
Dibromofluoromethane	97		75 - 126	10/04/19 16:56	10/10/19 19:37	1
Toluene-d8 (Surr)	94		75 - 124	10/04/19 16:56	10/10/19 19:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (16-22)-100419**

**Lab Sample ID: 500-171274-11**

Date Collected: 10/04/19 03:50

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
<b>2-Methylnaphthalene</b>	<b>0.029</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (16-22)-100419**

**Lab Sample ID: 500-171274-11**

Date Collected: 10/04/19 03:50

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.9

## 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	<0.040		0.040	0.010	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
<b>Phenanthrene</b>	<b>0.083</b>		0.040	0.0056	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	10/11/19 08:13	10/12/19 01:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	59		31 - 143	10/11/19 08:13	10/12/19 01:35	1
2-Fluorobiphenyl	79		43 - 145	10/11/19 08:13	10/12/19 01:35	1
2-Fluorophenol	69		31 - 166	10/11/19 08:13	10/12/19 01:35	1
Nitrobenzene-d5	69		37 - 147	10/11/19 08:13	10/12/19 01:35	1
Phenol-d5	87		30 - 153	10/11/19 08:13	10/12/19 01:35	1
Terphenyl-d14	79		42 - 157	10/11/19 08:13	10/12/19 01:35	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:20	10/13/19 03:27	1
<b>Barium</b>	<b>0.59</b>		0.50	0.050	mg/L		10/11/19 15:20	10/13/19 03:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:20	10/13/19 03:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:20	10/13/19 03:27	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:27	1
<b>Cobalt</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:27	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:27	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:20	10/13/19 03:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:20	10/13/19 03:27	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:27	1
<b>Nickel</b>	<b>0.038</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:20	10/13/19 03:27	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:27	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:20	10/13/19 03:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:17	10/12/19 23:39	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:17	10/12/19 23:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:17	10/12/19 23:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:17	10/12/19 23:39	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:39	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:39	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:39	1
<b>Iron</b>	<b>0.61</b>		0.40	0.20	mg/L		10/11/19 15:17	10/12/19 23:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:17	10/12/19 23:39	1
<b>Manganese</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:39	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:39	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:17	10/12/19 23:39	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (16-22)-100419**

**Lab Sample ID: 500-171274-11**

Date Collected: 10/04/19 03:50

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.9

**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		10/11/19 15:17	10/12/19 23:39	1
<b>Zinc</b>	<b>0.032</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:17	10/12/19 23:39	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.53</b>	<b>J B</b>	1.2	0.24	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Arsenic</b>	<b>7.2</b>		0.62	0.21	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Barium</b>	<b>45</b>		0.62	0.071	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Beryllium</b>	<b>0.70</b>		0.25	0.058	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Cadmium</b>	<b>0.17</b>	<b>B</b>	0.12	0.022	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Calcium</b>	<b>56000</b>	<b>B</b>	120	21	mg/Kg	☼	10/14/19 09:11	10/16/19 16:33	10
<b>Chromium</b>	<b>17</b>		0.62	0.31	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Cobalt</b>	<b>14</b>		0.31	0.081	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Copper</b>	<b>28</b>	<b>B</b>	0.62	0.17	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Iron</b>	<b>20000</b>		12	6.4	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Lead</b>	<b>12</b>		0.31	0.14	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Magnesium</b>	<b>22000</b>	<b>B</b>	6.2	3.1	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Manganese</b>	<b>320</b>		0.62	0.090	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Nickel</b>	<b>35</b>		0.62	0.18	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Potassium</b>	<b>4300</b>		31	11	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Selenium</b>	<b>0.52</b>	<b>J</b>	0.62	0.36	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Silver</b>	<b>2.7</b>		0.31	0.080	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Sodium</b>	<b>240</b>		62	9.2	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Thallium</b>	<b>1.0</b>		0.62	0.31	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Vanadium</b>	<b>25</b>		0.31	0.073	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1
<b>Zinc</b>	<b>50</b>		1.2	0.54	mg/Kg	☼	10/14/19 09:11	10/15/19 16:19	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 10:00	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.022</b>		0.020	0.0067	mg/Kg	☼	10/09/19 14:35	10/10/19 08:30	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.6</b>		0.2	0.2	SU			10/08/19 19:39	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (22-30)-100419**

**Lab Sample ID: 500-171274-12**

**Date Collected: 10/04/19 04:10**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 79.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Acetone	<0.017		0.017	0.0076	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Bromodichloromethane	<0.0017		0.0017	0.00036	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Carbon tetrachloride	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Chloroform	<0.0017		0.0017	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00053	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Styrene	<0.0017		0.0017	0.00053	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	10/04/19 16:56	10/10/19 20:03	1
4-Bromofluorobenzene (Surr)	98		75 - 131	10/04/19 16:56	10/10/19 20:03	1
Dibromofluoromethane	96		75 - 126	10/04/19 16:56	10/10/19 20:03	1
Toluene-d8 (Surr)	94		75 - 124	10/04/19 16:56	10/10/19 20:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (22-30)-100419**

**Lab Sample ID: 500-171274-12**

Date Collected: 10/04/19 04:10

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.095	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
2,4-Dinitrophenol	<0.84		0.84	0.73	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
<b>2-Methylnaphthalene</b>	<b>0.031</b>	<b>J</b>	0.084	0.0076	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
4-Chloroaniline	<0.84		0.84	0.19	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
4-Nitrophenol	<0.84		0.84	0.39	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Acenaphthene	<0.041		0.041	0.0075	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Benzo[b]fluoranthene	<0.041		0.041	0.0090	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
<b>Fluorene</b>	<b>0.0070</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Hexachlorobenzene	<0.084		0.084	0.0096	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (22-30)-100419**

**Lab Sample ID: 500-171274-12**

Date Collected: 10/04/19 04:10

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
<b>Phenanthrene</b>	<b>0.082</b>		0.041	0.0058	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
<b>Pyrene</b>	<b>0.016</b>	<b>J</b>	0.041	0.0082	mg/Kg	☼	10/11/19 08:13	10/12/19 02:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	44		31 - 143				10/11/19 08:13	10/12/19 02:00	1
2-Fluorobiphenyl	72		43 - 145				10/11/19 08:13	10/12/19 02:00	1
2-Fluorophenol	65		31 - 166				10/11/19 08:13	10/12/19 02:00	1
Nitrobenzene-d5	61		37 - 147				10/11/19 08:13	10/12/19 02:00	1
Phenol-d5	82		30 - 153				10/11/19 08:13	10/12/19 02:00	1
Terphenyl-d14	70		42 - 157				10/11/19 08:13	10/12/19 02:00	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:20	10/13/19 03:31	1
<b>Barium</b>	<b>0.60</b>		0.50	0.050	mg/L		10/11/19 15:20	10/13/19 03:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:20	10/13/19 03:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:20	10/13/19 03:31	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:31	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:31	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:31	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:20	10/13/19 03:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:20	10/13/19 03:31	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:31	1
<b>Nickel</b>	<b>0.033</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:31	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:20	10/13/19 03:31	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:31	1
<b>Zinc</b>	<b>0.028</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:20	10/13/19 03:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:17	10/12/19 23:43	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:17	10/12/19 23:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:17	10/12/19 23:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:17	10/12/19 23:43	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:43	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:43	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:43	1
<b>Iron</b>	<b>1.1</b>		0.40	0.20	mg/L		10/11/19 15:17	10/12/19 23:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:17	10/12/19 23:43	1
<b>Manganese</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:43	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:43	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:17	10/12/19 23:43	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (22-30)-100419**

**Lab Sample ID: 500-171274-12**

Date Collected: 10/04/19 04:10

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 79.7

**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		10/11/19 15:17	10/12/19 23:43	1
<b>Zinc</b>	<b>0.053</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:17	10/12/19 23:43	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.71</b>	<b>J B</b>	1.2	0.23	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Arsenic</b>	<b>7.6</b>		0.60	0.20	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Barium</b>	<b>44</b>		0.60	0.068	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Beryllium</b>	<b>0.82</b>		0.24	0.056	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Cadmium</b>	<b>0.16</b>	<b>B</b>	0.12	0.022	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Calcium</b>	<b>53000</b>	<b>B</b>	120	20	mg/Kg	☼	10/14/19 09:11	10/16/19 16:37	10
<b>Chromium</b>	<b>17</b>		0.60	0.30	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Cobalt</b>	<b>14</b>		0.30	0.078	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Copper</b>	<b>31</b>	<b>B</b>	0.60	0.17	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Iron</b>	<b>20000</b>		12	6.2	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Lead</b>	<b>13</b>		0.30	0.14	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Magnesium</b>	<b>22000</b>	<b>B</b>	6.0	3.0	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Manganese</b>	<b>310</b>		0.60	0.087	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Nickel</b>	<b>37</b>		0.60	0.17	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Potassium</b>	<b>4200</b>		30	11	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Selenium</b>	<b>0.63</b>		0.60	0.35	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Silver</b>	<b>2.7</b>		0.30	0.077	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Sodium</b>	<b>240</b>		60	8.8	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Thallium</b>	<b>1.1</b>		0.60	0.30	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Vanadium</b>	<b>24</b>		0.30	0.071	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1
<b>Zinc</b>	<b>54</b>		1.2	0.53	mg/Kg	☼	10/14/19 09:11	10/15/19 16:23	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 10:02	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.023</b>		0.018	0.0061	mg/Kg	☼	10/09/19 14:35	10/10/19 08:39	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.0</b>		0.2	0.2	SU			10/08/19 19:39	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (22-30)-100419D**

**Lab Sample ID: 500-171274-13**

**Date Collected: 10/04/19 04:10**

**Matrix: Solid**

**Date Received: 10/04/19 14:55**

**Percent Solids: 80.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	10/04/19 16:56	10/10/19 20:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	10/04/19 16:56	10/10/19 20:28	1
4-Bromofluorobenzene (Surr)	97		75 - 131	10/04/19 16:56	10/10/19 20:28	1
Dibromofluoromethane	94		75 - 126	10/04/19 16:56	10/10/19 20:28	1
Toluene-d8 (Surr)	94		75 - 124	10/04/19 16:56	10/10/19 20:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (22-30)-100419D**

**Lab Sample ID: 500-171274-13**

Date Collected: 10/04/19 04:10

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
2,4-Dinitrophenol	<0.83		0.83	0.73	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
<b>2-Methylnaphthalene</b>	<b>0.047</b>	<b>J</b>	0.083	0.0076	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
<b>Benzo[g,h,i]perylene</b>	<b>0.030</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
<b>Chrysene</b>	<b>0.034</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
<b>Fluorene</b>	<b>0.0098</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Hexachlorobenzene	<0.083		0.083	0.0096	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (22-30)-100419D**

**Lab Sample ID: 500-171274-13**

Date Collected: 10/04/19 04:10

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.0

**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	<0.041		0.041	0.011	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
<b>Naphthalene</b>	<b>0.017</b>	<b>J</b>	0.041	0.0063	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
N-Nitrosodiphenylamine	<0.21	*	0.21	0.049	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
<b>Phenanthrene</b>	<b>0.14</b>		0.041	0.0058	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Pyrene	<0.041		0.041	0.0082	mg/Kg	☼	10/14/19 16:28	10/15/19 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	64		31 - 143				10/14/19 16:28	10/15/19 13:27	1
2-Fluorobiphenyl	86		43 - 145				10/14/19 16:28	10/15/19 13:27	1
2-Fluorophenol	98		31 - 166				10/14/19 16:28	10/15/19 13:27	1
Nitrobenzene-d5	70		37 - 147				10/14/19 16:28	10/15/19 13:27	1
Phenol-d5	95		30 - 153				10/14/19 16:28	10/15/19 13:27	1
Terphenyl-d14	107		42 - 157				10/14/19 16:28	10/15/19 13:27	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		10/11/19 15:20	10/13/19 03:35	1
<b>Barium</b>	<b>0.61</b>		0.50	0.050	mg/L		10/11/19 15:20	10/13/19 03:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:20	10/13/19 03:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:20	10/13/19 03:35	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:35	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:35	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:35	1
Iron	<0.40		0.40	0.20	mg/L		10/11/19 15:20	10/13/19 03:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:20	10/13/19 03:35	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:35	1
<b>Nickel</b>	<b>0.033</b>		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:35	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:20	10/13/19 03:35	1
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:20	10/13/19 03:35	1
Zinc	<0.50		0.50	0.020	mg/L		10/11/19 15:20	10/13/19 03:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/11/19 15:17	10/12/19 23:47	1
Barium	<0.50		0.50	0.050	mg/L		10/11/19 15:17	10/12/19 23:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/11/19 15:17	10/12/19 23:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/11/19 15:17	10/12/19 23:47	1
Chromium	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:47	1
Cobalt	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:47	1
Copper	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:47	1
<b>Iron</b>	<b>1.6</b>	<b>F1</b>	0.40	0.20	mg/L		10/11/19 15:17	10/12/19 23:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/11/19 15:17	10/12/19 23:47	1
<b>Manganese</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:47	1
Nickel	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:47	1
Selenium	<0.050		0.050	0.020	mg/L		10/11/19 15:17	10/12/19 23:47	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

**Client Sample ID: ROW-86 (22-30)-100419D**

**Lab Sample ID: 500-171274-13**

Date Collected: 10/04/19 04:10

Matrix: Solid

Date Received: 10/04/19 14:55

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/11/19 15:17	10/12/19 23:47	1
<b>Zinc</b>	<b>0.050</b>	<b>J</b>	0.50	0.020	mg/L		10/11/19 15:17	10/12/19 23:47	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.71</b>	<b>J B</b>	1.2	0.23	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Arsenic</b>	<b>9.3</b>		0.58	0.20	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Barium</b>	<b>47</b>		0.58	0.066	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Beryllium</b>	<b>0.81</b>		0.23	0.054	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Cadmium</b>	<b>0.17</b>	<b>B</b>	0.12	0.021	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Calcium</b>	<b>54000</b>	<b>B</b>	120	20	mg/Kg	☼	10/14/19 09:11	10/16/19 16:41	10
<b>Chromium</b>	<b>18</b>		0.58	0.29	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Cobalt</b>	<b>14</b>		0.29	0.076	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Copper</b>	<b>29</b>	<b>B</b>	0.58	0.16	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Iron</b>	<b>22000</b>		12	6.1	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Lead</b>	<b>13</b>		0.29	0.13	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Magnesium</b>	<b>22000</b>	<b>B</b>	5.8	2.9	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Manganese</b>	<b>310</b>		0.58	0.085	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Nickel</b>	<b>36</b>		0.58	0.17	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Potassium</b>	<b>4700</b>		29	10	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Selenium</b>	<b>0.95</b>		0.58	0.34	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Silver</b>	<b>2.7</b>		0.29	0.075	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Sodium</b>	<b>250</b>		58	8.6	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Thallium</b>	<b>0.60</b>		0.58	0.29	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Vanadium</b>	<b>25</b>		0.29	0.069	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1
<b>Zinc</b>	<b>57</b>		1.2	0.51	mg/Kg	☼	10/14/19 09:11	10/15/19 16:35	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 08:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/10/19 11:00	10/11/19 10:04	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.022</b>		0.019	0.0062	mg/Kg	☼	10/09/19 14:35	10/10/19 08:41	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.9</b>		0.2	0.2	SU			10/08/19 19:39	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171274-1

## Qualifiers

### GC/MS Semi VOA

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

### Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
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 - Circle Interchange-WO 003

Job ID: 500-171274-1

## 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	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)  
 Contact: Andis Slessees  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

Bill To (optional)  
 Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: SAM  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_ 500-171274 COC  
 Fax: \_\_\_\_\_  
 PO#/Reference# \_\_\_\_\_



## Chain of Custody Record

Lab Job #: 500-171274

Chain of Custody Number: \_\_\_\_\_

Page 3 of 4

Temperature °C of Cooler: 3.0 0.2

Client		Client Project #		Preservative		Parameter					Preservative Key	
<u>Wester</u>		<u>07036.016.003</u>										
Project Name		Lab Project #		# of Containers	Matrix	VOCs	SVOCs	Total Metals	TRP/SLP Metals	pH	Comments	
<u>RDOT 90/94</u>												
Project Location/State		Lab PM										
<u>Chicago, IL</u>												
Sampler		Lab PM										
<u>C. Ponce Am. Delvto</u>												
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TRP/SLP Metals	pH	Comments
<u>1</u>		<u>ROW-95(0-4)-100419</u>	<u>10/4/19</u>	<u>0320</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>2</u>		<u>ROW-95(4-8)-100419</u>		<u>0325</u>								
<u>3</u>		<u>ROW-96(0-4)-100419</u>		<u>0340</u>								
<u>4</u>		<u>ROW-96(4-8)-100419</u>		<u>0345</u>								
<u>5</u>		<u>ROW-89(10-16)-100419</u>		<u>0340</u>								
<u>6</u>		<u>ROW-89(16-22)-100419</u>		<u>0350</u>								
<u>7</u>		<u>ROW-89(22-30)-100419</u>		<u>0355</u>								
<u>8</u>		<u>ROW-89(30-35)-100419</u>		<u>0310</u>								
<u>9</u>		<u>ROW-86(4-10)-100419</u>		<u>0330</u>								
<u>10</u>		<u>ROW-86(10-16)-100419</u>		<u>0340</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>WS</u>	Date: <u>10/4/19</u>	Time: <u>1330</u>	Received By: <u>[Signature]</u>	Company: <u>A</u>	Date: <u>10/4/19</u>	Time: <u>1330</u>
Relinquished By: <u>[Signature]</u>	Company: <u>A</u>	Date: <u>10/4/19</u>	Time: <u>1455</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>10/4/19</u>	Time: <u>1455</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Courier: \_\_\_\_\_  
 Shipped: \_\_\_\_\_  
 Hand Delivered: \_\_\_\_\_

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

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

# 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: Andris Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

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

## Chain of Custody Record

Lab Job #: 500-171274  
Chain of Custody Number: \_\_\_\_\_  
Page 4 of 4  
Temperature °C of Cooler: 3.0, 0.2

Client		Client Project #		Preservative		Parameter		Matrix		Comments			
<u>Wesfer</u>		<u>02056-016-003</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		Project Location/State		Lab Project #		Lab PM							
<u>IDOT 90/94</u>		<u>Chicago, IL</u>											
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix							
<u>11</u>		<u>ROW-86(16-22)-100418</u>	<u>10/4/19</u>	<u>0350</u>	<u>6</u>	<u>S</u>	<u>VOCS</u>	<u>SUCCS</u>	<u>TOTAL</u>	<u>netals</u>	<u>TEMP/SPLP</u>	<u>netals</u>	<u>PH</u>
<u>12</u>		<u>ROW-86(22-30)-100418</u>	<u>↓</u>	<u>0410</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>
<u>13</u>		<u>ROW-86(22-30)-100418</u>	<u>↓</u>	<u>0400</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>

Turnaround Time Required (Business Days): 1 Day 2 Days 5 Days X 7 Days 10 Days 15 Days Other  
Requested Due Date: \_\_\_\_\_  
Sample Disposal:  Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>G. [Signature]</u> Company: <u>W3</u> Date: <u>10/4/19</u> Time: <u>1330</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/4/19</u> Time: <u>1330</u>	Lab Courier: _____
Relinquished By: <u>P. Neal</u> Company: <u>A</u> Date: <u>10/4/19</u> Time: <u>1455</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/4/19</u> Time: <u>1455</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

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

Client Comments: \_\_\_\_\_  
Lab Comments: \_\_\_\_\_

## ANALYTICAL REPORT

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

Laboratory Job ID: 500-171327-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
10/22/2019 8:25:43 AM

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

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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

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

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



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-99(0-4)-100619**

**Lab Sample ID: 500-171327-11**

**Date Collected: 10/06/19 11:40**

**Matrix: Solid**

**Date Received: 10/07/19 15:00**

**Percent Solids: 80.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00061	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00082	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
1,1-Dichloroethane	<0.0019		0.0019	0.00065	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
1,2-Dichloropropane	<0.0019		0.0019	0.00049	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00067	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Acetone	<0.019		0.019	0.0083	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Carbon disulfide	<0.0048		0.0048	0.00099	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Carbon tetrachloride	<0.0019		0.0019	0.00055	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Chlorobenzene	<0.0019		0.0019	0.00070	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Chloroform	<0.0019		0.0019	0.00066	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00053	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Dibromochloromethane	<0.0019		0.0019	0.00062	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Ethylbenzene	<0.0019		0.0019	0.00091	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0021	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00056	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Tetrachloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Toluene	<0.0019		0.0019	0.00048	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00085	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00067	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Vinyl chloride	<0.0019		0.0019	0.00084	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1
Xylenes, Total	<0.0038		0.0038	0.00061	mg/Kg	☼	10/07/19 15:50	10/14/19 13:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	10/07/19 15:50	10/14/19 13:09	1
4-Bromofluorobenzene (Surr)	98		75 - 131	10/07/19 15:50	10/14/19 13:09	1
Dibromofluoromethane	94		75 - 126	10/07/19 15:50	10/14/19 13:09	1
Toluene-d8 (Surr)	91		75 - 124	10/07/19 15:50	10/14/19 13:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.41		0.41	0.088	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
1,2-Dichlorobenzene	<0.41		0.41	0.098	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
1,3-Dichlorobenzene	<0.41		0.41	0.092	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
1,4-Dichlorobenzene	<0.41		0.41	0.10	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
2,2'-oxybis[1-chloropropane]	<0.41		0.41	0.095	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-99(0-4)-100619**

**Lab Sample ID: 500-171327-11**

Date Collected: 10/06/19 11:40

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.81		0.81	0.19	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
2,4,6-Trichlorophenol	<0.81		0.81	0.28	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
2,4-Dichlorophenol	<0.81		0.81	0.19	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
2,4-Dimethylphenol	<0.81		0.81	0.31	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
2,4-Dinitrophenol	<1.6		1.6	1.4	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
2,4-Dinitrotoluene	<0.41		0.41	0.13	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
2,6-Dinitrotoluene	<0.41		0.41	0.16	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
2-Chloronaphthalene	<0.41		0.41	0.090	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
2-Chlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
<b>2-Methylnaphthalene</b>	<b>0.031</b>	<b>J</b>	0.16	0.015	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
2-Methylphenol	<0.41		0.41	0.13	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
2-Nitroaniline	<0.41		0.41	0.11	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
2-Nitrophenol	<0.81		0.81	0.19	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
3 & 4 Methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
3,3'-Dichlorobenzidine	<0.41		0.41	0.11	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
3-Nitroaniline	<0.81		0.81	0.25	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
4,6-Dinitro-2-methylphenol	<1.6		1.6	0.66	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
4-Bromophenyl phenyl ether	<0.41		0.41	0.11	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
4-Chloro-3-methylphenol	<0.81		0.81	0.28	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
4-Chloroaniline	<1.6		1.6	0.38	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
4-Chlorophenyl phenyl ether	<0.41		0.41	0.095	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
4-Nitroaniline	<0.81		0.81	0.34	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
4-Nitrophenol	<1.6		1.6	0.78	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
<b>Acenaphthene</b>	<b>0.059</b>	<b>J</b>	0.081	0.015	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
<b>Acenaphthylene</b>	<b>0.069</b>	<b>J</b>	0.081	0.011	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
<b>Anthracene</b>	<b>0.18</b>		0.081	0.014	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
<b>Benzo[a]anthracene</b>	<b>0.89</b>		0.081	0.011	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
<b>Benzo[a]pyrene</b>	<b>0.82</b>		0.081	0.016	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
<b>Benzo[b]fluoranthene</b>	<b>1.1</b>		0.081	0.018	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
<b>Benzo[g,h,i]perylene</b>	<b>0.60</b>		0.081	0.026	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
<b>Benzo[k]fluoranthene</b>	<b>0.45</b>		0.081	0.024	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Bis(2-chloroethoxy)methane	<0.41		0.41	0.083	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Bis(2-chloroethyl)ether	<0.41		0.41	0.12	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Bis(2-ethylhexyl) phthalate	<0.41		0.41	0.15	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Butyl benzyl phthalate	<0.41		0.41	0.16	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Carbazole	<0.41	*	0.41	0.20	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
<b>Chrysene</b>	<b>0.90</b>		0.081	0.022	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
<b>Dibenz(a,h)anthracene</b>	<b>0.18</b>		0.081	0.016	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Dibenzofuran	<0.41		0.41	0.096	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Diethyl phthalate	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Dimethyl phthalate	<0.41		0.41	0.11	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Di-n-butyl phthalate	<0.41		0.41	0.12	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Di-n-octyl phthalate	<0.41		0.41	0.13	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
<b>Fluoranthene</b>	<b>1.4</b>		0.081	0.015	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
<b>Fluorene</b>	<b>0.064</b>	<b>J</b>	0.081	0.011	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Hexachlorobenzene	<0.16		0.16	0.019	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Hexachlorobutadiene	<0.41		0.41	0.13	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Hexachlorocyclopentadiene	<1.6		1.6	0.47	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Hexachloroethane	<0.41		0.41	0.12	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-99(0-4)-100619**

**Lab Sample ID: 500-171327-11**

Date Collected: 10/06/19 11:40

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.51</b>		0.081	0.021	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Isophorone	<0.41		0.41	0.092	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
<b>Naphthalene</b>	<b>0.060</b>	<b>J</b>	0.081	0.013	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Nitrobenzene	<0.081		0.081	0.020	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
N-Nitrosodi-n-propylamine	<0.16		0.16	0.10	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
N-Nitrosodiphenylamine	<0.41	*	0.41	0.096	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Pentachlorophenol	<1.6		1.6	1.3	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
<b>Phenanthrene</b>	<b>0.94</b>		0.081	0.011	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Phenol	<0.41		0.41	0.18	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
<b>Pyrene</b>	<b>1.4</b>		0.081	0.016	mg/Kg	☼	10/14/19 15:49	10/16/19 14:39	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	35		31 - 143				10/14/19 15:49	10/16/19 14:39	2
2-Fluorobiphenyl	60		43 - 145				10/14/19 15:49	10/16/19 14:39	2
2-Fluorophenol	56		31 - 166				10/14/19 15:49	10/16/19 14:39	2
Nitrobenzene-d5	47		37 - 147				10/14/19 15:49	10/16/19 14:39	2
Phenol-d5	62		30 - 153				10/14/19 15:49	10/16/19 14:39	2
Terphenyl-d14	56		42 - 157				10/14/19 15:49	10/16/19 14:39	2

**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		10/12/19 16:55	10/14/19 20:53	1
<b>Barium</b>	<b>0.57</b>		0.50	0.050	mg/L		10/12/19 16:55	10/14/19 20:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:55	10/14/19 20:53	1
<b>Cadmium</b>	<b>0.0031</b>	<b>J</b>	0.0050	0.0020	mg/L		10/12/19 16:55	10/14/19 20:53	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 20:53	1
Cobalt	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 20:53	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 20:53	1
Iron	<0.40		0.40	0.20	mg/L		10/12/19 16:55	10/14/19 20:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:55	10/14/19 20:53	1
<b>Manganese</b>	<b>0.63</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 20:53	1
Nickel	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 20:53	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:55	10/14/19 20:53	1
Silver	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 20:53	1
<b>Zinc</b>	<b>0.076</b>	<b>J B</b>	0.50	0.020	mg/L		10/12/19 16:55	10/14/19 20:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.072</b>		0.050	0.010	mg/L		10/12/19 16:53	10/16/19 02:42	1
<b>Barium</b>	<b>0.57</b>		0.50	0.050	mg/L		10/12/19 16:53	10/16/19 02:42	1
<b>Beryllium</b>	<b>0.0083</b>		0.0040	0.0040	mg/L		10/12/19 16:53	10/16/19 02:42	1
<b>Cadmium</b>	<b>0.0022</b>	<b>J</b>	0.0050	0.0020	mg/L		10/12/19 16:53	10/16/19 02:42	1
<b>Chromium</b>	<b>0.15</b>		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:42	1
<b>Cobalt</b>	<b>0.076</b>		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:42	1
<b>Copper</b>	<b>0.32</b>		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:42	1
<b>Iron</b>	<b>160</b>		0.40	0.20	mg/L		10/12/19 16:53	10/16/19 02:42	1
<b>Lead</b>	<b>0.51</b>		0.0075	0.0075	mg/L		10/12/19 16:53	10/16/19 02:42	1
<b>Manganese</b>	<b>0.98</b>		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:42	1
<b>Nickel</b>	<b>0.23</b>		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:42	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:53	10/16/19 15:28	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-99(0-4)-100619**

**Lab Sample ID: 500-171327-11**

Date Collected: 10/06/19 11:40

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.2

**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		10/12/19 16:53	10/16/19 02:42	1
Zinc	0.95		0.50	0.020	mg/L		10/12/19 16:53	10/16/19 02:42	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.85	J	1.2	0.23	mg/Kg	☼	10/15/19 17:28	10/17/19 19:12	1
Arsenic	8.0		0.60	0.20	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1
Barium	71		0.60	0.068	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1
Beryllium	0.77		0.24	0.056	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1
Cadmium	0.27	B	0.12	0.022	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1
Calcium	48000	B	120	20	mg/Kg	☼	10/15/19 17:28	10/17/19 17:29	10
Chromium	17		0.60	0.30	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1
Cobalt	14		0.30	0.078	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1
Copper	45		0.60	0.17	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1
Iron	20000		12	6.2	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1
Lead	72		0.30	0.14	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1
Magnesium	21000		6.0	3.0	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1
Manganese	310		0.60	0.087	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1
Nickel	35		0.60	0.17	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1
Potassium	2500		30	11	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1
Selenium	<0.60	^	0.60	0.35	mg/Kg	☼	10/15/19 17:28	10/17/19 19:12	1
Silver	2.6		0.30	0.077	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1
Sodium	710		60	8.9	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1
Thallium	1.5		0.60	0.30	mg/Kg	☼	10/15/19 17:28	10/17/19 19:12	1
Vanadium	20		0.30	0.071	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1
Zinc	120		1.2	0.53	mg/Kg	☼	10/15/19 17:28	10/16/19 22:32	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00022		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 15:12	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.020	0.0065	mg/Kg	☼	10/10/19 15:20	10/11/19 07:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.2	0.2	SU			10/09/19 13:35	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-100(0-4)-100719**

**Lab Sample ID: 500-171327-12**

**Date Collected: 10/07/19 00:15**

**Matrix: Solid**

**Date Received: 10/07/19 15:00**

**Percent Solids: 83.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
<b>Acetone</b>	<b>0.0076</b>	<b>J</b>	0.017	0.0073	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Chloroethane	<0.0042		0.0042	0.0012	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
<b>Methylene Chloride</b>	<b>0.0022</b>	<b>J</b>	0.0042	0.0017	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/07/19 15:50	10/14/19 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	10/07/19 15:50	10/14/19 13:34	1
4-Bromofluorobenzene (Surr)	98		75 - 131	10/07/19 15:50	10/14/19 13:34	1
Dibromofluoromethane	96		75 - 126	10/07/19 15:50	10/14/19 13:34	1
Toluene-d8 (Surr)	92		75 - 124	10/07/19 15:50	10/14/19 13:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20	F1	0.20	0.043	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
1,2-Dichlorobenzene	<0.20	F1	0.20	0.047	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
1,3-Dichlorobenzene	<0.20	F1	0.20	0.045	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
1,4-Dichlorobenzene	<0.20	F1	0.20	0.051	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
2,2'-oxybis[1-chloropropane]	<0.20	F1	0.20	0.046	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-100(0-4)-100719**

**Lab Sample ID: 500-171327-12**

Date Collected: 10/07/19 00:15

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39	F1	0.39	0.091	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
2,4,6-Trichlorophenol	<0.39	F1	0.39	0.14	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
2,4-Dichlorophenol	<0.39	F1	0.39	0.094	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
2,4-Dimethylphenol	<0.39	F1 F2	0.39	0.15	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
2,4-Dinitrophenol	<0.80	F1	0.80	0.70	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
2,4-Dinitrotoluene	<0.20	F1	0.20	0.063	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
2,6-Dinitrotoluene	<0.20	F1	0.20	0.078	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
2-Chloronaphthalene	<0.20	F1	0.20	0.044	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
2-Chlorophenol	<0.20	F1	0.20	0.068	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
<b>2-Methylnaphthalene</b>	<b>0.021</b>	<b>J F1</b>	0.080	0.0073	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
2-Methylphenol	<0.20	F1	0.20	0.064	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
2-Nitroaniline	<0.20	F1	0.20	0.053	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
2-Nitrophenol	<0.39	F1	0.39	0.094	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
3 & 4 Methylphenol	<0.20	F1	0.20	0.066	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
3,3'-Dichlorobenzidine	<0.20	F1	0.20	0.056	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
4,6-Dinitro-2-methylphenol	<0.80	F2	0.80	0.32	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
4-Bromophenyl phenyl ether	<0.20	F1	0.20	0.052	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
4-Chloro-3-methylphenol	<0.39	F1	0.39	0.14	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
4-Chloroaniline	<0.80	F1	0.80	0.19	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
4-Chlorophenyl phenyl ether	<0.20	F1	0.20	0.046	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
4-Nitroaniline	<0.39	F1	0.39	0.17	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
<b>Acenaphthene</b>	<b>0.021</b>	<b>J F1</b>	0.039	0.0071	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Acenaphthylene	<0.039	F1	0.039	0.0052	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
<b>Anthracene</b>	<b>0.012</b>	<b>J F1</b>	0.039	0.0066	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
<b>Benzo[a]anthracene</b>	<b>0.035</b>	<b>J F1</b>	0.039	0.0053	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
<b>Benzo[a]pyrene</b>	<b>0.042</b>	<b>F1</b>	0.039	0.0077	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
<b>Benzo[b]fluoranthene</b>	<b>0.048</b>	<b>F1</b>	0.039	0.0086	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
<b>Benzo[g,h,i]perylene</b>	<b>0.032</b>	<b>J F1</b>	0.039	0.013	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
<b>Benzo[k]fluoranthene</b>	<b>0.016</b>	<b>J F1</b>	0.039	0.012	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Bis(2-chloroethoxy)methane	<0.20	F1	0.20	0.041	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Bis(2-chloroethyl)ether	<0.20	F1	0.20	0.060	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Bis(2-ethylhexyl) phthalate	<0.20	F1	0.20	0.073	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Butyl benzyl phthalate	<0.20	F1	0.20	0.076	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
<b>Chrysene</b>	<b>0.052</b>	<b>F1</b>	0.039	0.011	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
<b>Dibenz(a,h)anthracene</b>	<b>0.0079</b>	<b>J F1</b>	0.039	0.0077	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Dibenzofuran	<0.20	F1	0.20	0.047	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Diethyl phthalate	<0.20	F1	0.20	0.067	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Dimethyl phthalate	<0.20	F1	0.20	0.052	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Di-n-butyl phthalate	<0.20	F1	0.20	0.061	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Di-n-octyl phthalate	<0.20	F1	0.20	0.065	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
<b>Fluoranthene</b>	<b>0.068</b>	<b>F1</b>	0.039	0.0074	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Fluorene	<0.039	F1	0.039	0.0056	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Hexachlorobenzene	<0.080	F1	0.080	0.0092	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Hexachlorobutadiene	<0.20	F1	0.20	0.062	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Hexachlorocyclopentadiene	<0.80	F1	0.80	0.23	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Hexachloroethane	<0.20	F1	0.20	0.060	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-100(0-4)-100719**

**Lab Sample ID: 500-171327-12**

Date Collected: 10/07/19 00:15

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.027</b>	<b>J F1</b>	0.039	0.010	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Isophorone	<0.20	F1	0.20	0.045	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Naphthalene	<0.039	F1	0.039	0.0061	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Nitrobenzene	<0.039	F1	0.039	0.0099	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
N-Nitrosodi-n-propylamine	<0.080	F1	0.080	0.049	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
N-Nitrosodiphenylamine	<0.20	F1 *	0.20	0.047	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
<b>Phenanthrene</b>	<b>0.14</b>	<b>F1</b>	0.039	0.0055	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
<b>Pyrene</b>	<b>0.067</b>	<b>F1</b>	0.039	0.0079	mg/Kg	☼	10/14/19 15:49	10/16/19 15:05	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	41		31 - 143				10/14/19 15:49	10/16/19 15:05	1
<i>2-Fluorobiphenyl</i>	56		43 - 145				10/14/19 15:49	10/16/19 15:05	1
<i>2-Fluorophenol</i>	48		31 - 166				10/14/19 15:49	10/16/19 15:05	1
<i>Nitrobenzene-d5</i>	45		37 - 147				10/14/19 15:49	10/16/19 15:05	1
<i>Phenol-d5</i>	54		30 - 153				10/14/19 15:49	10/16/19 15:05	1
<i>Terphenyl-d14</i>	49		42 - 157				10/14/19 15:49	10/16/19 15:05	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		10/12/19 16:55	10/14/19 20:57	1
<b>Barium</b>	<b>0.57</b>		0.50	0.050	mg/L		10/12/19 16:55	10/14/19 20:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:55	10/14/19 20:57	1
<b>Cadmium</b>	<b>0.0020</b>	<b>J</b>	0.0050	0.0020	mg/L		10/12/19 16:55	10/14/19 20:57	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 20:57	1
<b>Cobalt</b>	<b>0.053</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 20:57	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 20:57	1
Iron	<0.40		0.40	0.20	mg/L		10/12/19 16:55	10/14/19 20:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:55	10/14/19 20:57	1
<b>Manganese</b>	<b>2.0</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 20:57	1
<b>Nickel</b>	<b>0.085</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 20:57	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:55	10/14/19 20:57	1
Silver	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 20:57	1
<b>Zinc</b>	<b>0.026</b>	<b>J B</b>	0.50	0.020	mg/L		10/12/19 16:55	10/14/19 20:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.030</b>	<b>J</b>	0.050	0.010	mg/L		10/12/19 16:53	10/16/19 02:46	1
<b>Barium</b>	<b>0.29</b>	<b>J</b>	0.50	0.050	mg/L		10/12/19 16:53	10/16/19 02:46	1
<b>Beryllium</b>	<b>0.0051</b>		0.0040	0.0040	mg/L		10/12/19 16:53	10/16/19 02:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:53	10/16/19 02:46	1
<b>Chromium</b>	<b>0.097</b>		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:46	1
<b>Cobalt</b>	<b>0.055</b>		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:46	1
<b>Copper</b>	<b>0.16</b>		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:46	1
<b>Iron</b>	<b>78</b>		0.40	0.20	mg/L		10/12/19 16:53	10/16/19 02:46	1
<b>Lead</b>	<b>0.049</b>		0.0075	0.0075	mg/L		10/12/19 16:53	10/16/19 02:46	1
<b>Manganese</b>	<b>0.60</b>		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:46	1
<b>Nickel</b>	<b>0.15</b>		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:46	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:53	10/16/19 15:32	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-100(0-4)-100719**

**Lab Sample ID: 500-171327-12**

Date Collected: 10/07/19 00:15

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:46	1
<b>Zinc</b>	<b>0.22</b>	<b>J</b>	0.50	0.020	mg/L		10/12/19 16:53	10/16/19 02:46	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.69</b>	<b>J</b>	1.2	0.23	mg/Kg	☼	10/15/19 17:28	10/17/19 19:16	1
<b>Arsenic</b>	<b>7.2</b>		0.58	0.20	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1
<b>Barium</b>	<b>37</b>		0.58	0.066	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1
<b>Beryllium</b>	<b>0.75</b>		0.23	0.054	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1
<b>Cadmium</b>	<b>0.13</b>	<b>B</b>	0.12	0.021	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1
<b>Calcium</b>	<b>48000</b>	<b>B</b>	120	20	mg/Kg	☼	10/15/19 17:28	10/17/19 17:33	10
<b>Chromium</b>	<b>16</b>		0.58	0.29	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1
<b>Cobalt</b>	<b>14</b>		0.29	0.076	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1
<b>Copper</b>	<b>33</b>		0.58	0.16	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1
<b>Iron</b>	<b>19000</b>		12	6.0	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1
<b>Lead</b>	<b>17</b>		0.29	0.13	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1
<b>Magnesium</b>	<b>21000</b>		5.8	2.9	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1
<b>Manganese</b>	<b>270</b>		0.58	0.084	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1
<b>Nickel</b>	<b>38</b>		0.58	0.17	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1
<b>Potassium</b>	<b>2900</b>		29	10	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	10/15/19 17:28	10/18/19 10:00	1
<b>Silver</b>	<b>2.5</b>		0.29	0.075	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1
<b>Sodium</b>	<b>460</b>		58	8.6	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1
<b>Thallium</b>	<b>1.8</b>		0.58	0.29	mg/Kg	☼	10/15/19 17:28	10/17/19 19:16	1
<b>Vanadium</b>	<b>18</b>		0.29	0.069	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1
<b>Zinc</b>	<b>55</b>		1.2	0.51	mg/Kg	☼	10/15/19 17:28	10/16/19 22:36	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 14:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 15:14	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.025</b>		0.019	0.0063	mg/Kg	☼	10/10/19 15:20	10/11/19 07:40	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.2</b>		0.2	0.2	SU			10/09/19 13:39	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(0-4)-100719**

**Lab Sample ID: 500-171327-13**

**Date Collected: 10/07/19 01:50**

**Matrix: Solid**

**Date Received: 10/07/19 15:00**

**Percent Solids: 86.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Acetone	<0.017		0.017	0.0074	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Chloroethane	<0.0042		0.0042	0.0012	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/07/19 15:50	10/14/19 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	10/07/19 15:50	10/14/19 13:59	1
4-Bromofluorobenzene (Surr)	100		75 - 131	10/07/19 15:50	10/14/19 13:59	1
Dibromofluoromethane	96		75 - 126	10/07/19 15:50	10/14/19 13:59	1
Toluene-d8 (Surr)	95		75 - 124	10/07/19 15:50	10/14/19 13:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(0-4)-100719**

**Lab Sample ID: 500-171327-13**

Date Collected: 10/07/19 01:50

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
<b>2-Methylnaphthalene</b>	<b>0.031</b>	<b>J</b>	0.076	0.0069	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
<b>Acenaphthene</b>	<b>0.017</b>	<b>J</b>	0.037	0.0067	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Carbazole	<0.19	*	0.19	0.094	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
<b>Chrysene</b>	<b>0.031</b>	<b>J</b>	0.037	0.010	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
<b>Fluoranthene</b>	<b>0.013</b>	<b>J</b>	0.037	0.0070	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
<b>Fluorene</b>	<b>0.0091</b>	<b>J</b>	0.037	0.0053	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(0-4)-100719**

**Lab Sample ID: 500-171327-13**

Date Collected: 10/07/19 01:50

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 86.1

**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	<0.037		0.037	0.0097	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
<b>Naphthalene</b>	<b>0.012</b>	<b>J</b>	0.037	0.0058	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
N-Nitrosodiphenylamine	<0.19	*	0.19	0.044	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
<b>Phenanthrene</b>	<b>0.12</b>		0.037	0.0052	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
<b>Pyrene</b>	<b>0.032</b>	<b>J</b>	0.037	0.0074	mg/Kg	☼	10/14/19 15:49	10/15/19 18:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	57		31 - 143				10/14/19 15:49	10/15/19 18:48	1
2-Fluorobiphenyl	79		43 - 145				10/14/19 15:49	10/15/19 18:48	1
2-Fluorophenol	92		31 - 166				10/14/19 15:49	10/15/19 18:48	1
Nitrobenzene-d5	70		37 - 147				10/14/19 15:49	10/15/19 18:48	1
Phenol-d5	91		30 - 153				10/14/19 15:49	10/15/19 18:48	1
Terphenyl-d14	107		42 - 157				10/14/19 15:49	10/15/19 18:48	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/12/19 16:55	10/14/19 21:01	1
<b>Barium</b>	<b>0.61</b>		0.50	0.050	mg/L		10/12/19 16:55	10/14/19 21:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:55	10/14/19 21:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:55	10/14/19 21:01	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:01	1
<b>Cobalt</b>	<b>0.028</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:01	1
<b>Copper</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:01	1
Iron	<0.40		0.40	0.20	mg/L		10/12/19 16:55	10/14/19 21:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:55	10/14/19 21:01	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:01	1
<b>Nickel</b>	<b>0.072</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:01	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:55	10/14/19 21:01	1
Silver	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:01	1
<b>Zinc</b>	<b>0.020</b>	<b>J B</b>	0.50	0.020	mg/L		10/12/19 16:55	10/14/19 21:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/12/19 16:53	10/16/19 02:50	1
Barium	<0.50		0.50	0.050	mg/L		10/12/19 16:53	10/16/19 02:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:53	10/16/19 02:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:53	10/16/19 02:50	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:50	1
Cobalt	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:50	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:50	1
<b>Iron</b>	<b>1.0</b>		0.40	0.20	mg/L		10/12/19 16:53	10/16/19 02:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:53	10/16/19 02:50	1
<b>Manganese</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:50	1
Nickel	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:50	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:53	10/16/19 15:36	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(0-4)-100719**

**Lab Sample ID: 500-171327-13**

Date Collected: 10/07/19 01:50

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 86.1

**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		10/12/19 16:53	10/16/19 02:50	1
Zinc	0.032	J	0.50	0.020	mg/L		10/12/19 16:53	10/16/19 02:50	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.74	J	1.1	0.22	mg/Kg	☼	10/15/19 17:28	10/17/19 19:21	1
Arsenic	8.7		0.57	0.20	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1
Barium	33		0.57	0.065	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1
Beryllium	0.64		0.23	0.054	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1
Cadmium	0.19	B	0.11	0.021	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1
Calcium	62000	B	110	19	mg/Kg	☼	10/15/19 17:28	10/17/19 17:37	10
Chromium	13		0.57	0.28	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1
Cobalt	15		0.29	0.075	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1
Copper	44		0.57	0.16	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1
Iron	22000		11	6.0	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1
Lead	30		0.29	0.13	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1
Magnesium	26000		5.7	2.8	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1
Manganese	370		0.57	0.083	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1
Nickel	38		0.57	0.17	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1
Potassium	2500		29	10	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1
Selenium	<0.57	^	0.57	0.34	mg/Kg	☼	10/15/19 17:28	10/17/19 19:21	1
Silver	1.9		0.29	0.074	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1
Sodium	390		57	8.5	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1
Thallium	1.6		0.57	0.29	mg/Kg	☼	10/15/19 17:28	10/17/19 19:21	1
Vanadium	15		0.29	0.068	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1
Zinc	67		1.1	0.50	mg/Kg	☼	10/15/19 17:28	10/16/19 22:40	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 15:16	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.019	0.0062	mg/Kg	☼	10/10/19 15:20	10/11/19 07:42	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/09/19 13:42	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(4-10)-100719**

**Lab Sample ID: 500-171327-14**

**Date Collected: 10/07/19 02:00**

**Matrix: Solid**

**Date Received: 10/07/19 15:00**

**Percent Solids: 78.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00063	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00060	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00081	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
1,1-Dichloroethane	<0.0019		0.0019	0.00065	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
1,1-Dichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
1,2-Dichloroethane	<0.0047		0.0047	0.0015	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
1,2-Dichloropropane	<0.0019		0.0019	0.00049	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00066	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Acetone	<0.019		0.019	0.0082	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Benzene	<0.0019		0.0019	0.00048	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Bromoform	<0.0019		0.0019	0.00055	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Bromomethane	<0.0047		0.0047	0.0018	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Carbon disulfide	<0.0047		0.0047	0.00098	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Carbon tetrachloride	<0.0019		0.0019	0.00055	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Chlorobenzene	<0.0019		0.0019	0.00070	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Chloroethane	<0.0047		0.0047	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Chloroform	<0.0019		0.0019	0.00066	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Chloromethane	<0.0047		0.0047	0.0019	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00053	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00057	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Dibromochloromethane	<0.0019		0.0019	0.00062	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Ethylbenzene	<0.0019		0.0019	0.00090	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Methyl Ethyl Ketone	<0.0047		0.0047	0.0021	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
methyl isobutyl ketone	<0.0047		0.0047	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Methylene Chloride	<0.0047		0.0047	0.0019	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Styrene	<0.0019		0.0019	0.00057	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Tetrachloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Toluene	<0.0019		0.0019	0.00048	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00084	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Trichloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Vinyl chloride	<0.0019		0.0019	0.00084	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1
Xylenes, Total	<0.0038		0.0038	0.00060	mg/Kg	☼	10/07/19 15:50	10/14/19 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		70 - 134	10/07/19 15:50	10/14/19 14:25	1
4-Bromofluorobenzene (Surr)	100		75 - 131	10/07/19 15:50	10/14/19 14:25	1
Dibromofluoromethane	93		75 - 126	10/07/19 15:50	10/14/19 14:25	1
Toluene-d8 (Surr)	96		75 - 124	10/07/19 15:50	10/14/19 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(4-10)-100719**

**Lab Sample ID: 500-171327-14**

Date Collected: 10/07/19 02:00

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 78.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.42		0.42	0.095	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
2,4,6-Trichlorophenol	<0.42		0.42	0.14	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
2,4-Dichlorophenol	<0.42		0.42	0.099	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
2,4-Dinitrophenol	<0.84		0.84	0.74	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
<b>2-Methylnaphthalene</b>	<b>0.089</b>		0.084	0.0077	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
2-Nitrophenol	<0.42		0.42	0.099	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
3 & 4 Methylphenol	<0.21		0.21	0.070	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.059	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.34	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
4-Nitroaniline	<0.42		0.42	0.17	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Acenaphthene	<0.042		0.042	0.0075	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Acenaphthylene	<0.042		0.042	0.0055	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Anthracene	<0.042		0.042	0.0070	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Benzo[a]anthracene	<0.042		0.042	0.0056	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Benzo[a]pyrene	<0.042		0.042	0.0081	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Benzo[b]fluoranthene	<0.042		0.042	0.0090	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
<b>Benzo[g,h,i]perylene</b>	<b>0.022</b>	<b>J</b>	0.042	0.013	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Benzo[k]fluoranthene	<0.042		0.042	0.012	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Butyl benzyl phthalate	<0.21		0.21	0.080	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
<b>Chrysene</b>	<b>0.043</b>		0.042	0.011	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0081	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Fluoranthene	<0.042		0.042	0.0078	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Fluorene	<0.042		0.042	0.0059	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Hexachlorobenzene	<0.084		0.084	0.0097	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Hexachloroethane	<0.21		0.21	0.064	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(4-10)-100719**

**Lab Sample ID: 500-171327-14**

Date Collected: 10/07/19 02:00

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 78.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.042		0.042	0.011	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Naphthalene	<0.042		0.042	0.0064	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Nitrobenzene	<0.042		0.042	0.010	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
N-Nitrosodiphenylamine	<0.21 *		0.21	0.049	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
<b>Phenanthrene</b>	<b>0.21</b>		0.042	0.0058	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Phenol	<0.21		0.21	0.093	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1
Pyrene	<0.042		0.042	0.0083	mg/Kg	☼	10/14/19 15:49	10/15/19 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	66		31 - 143	10/14/19 15:49	10/15/19 19:18	1
2-Fluorobiphenyl	98		43 - 145	10/14/19 15:49	10/15/19 19:18	1
2-Fluorophenol	111		31 - 166	10/14/19 15:49	10/15/19 19:18	1
Nitrobenzene-d5	81		37 - 147	10/14/19 15:49	10/15/19 19:18	1
Phenol-d5	85		30 - 153	10/14/19 15:49	10/15/19 19:18	1
Terphenyl-d14	106		42 - 157	10/14/19 15:49	10/15/19 19:18	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		10/12/19 16:55	10/14/19 21:06	1
<b>Barium</b>	<b>0.60</b>		0.50	0.050	mg/L		10/12/19 16:55	10/14/19 21:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:55	10/14/19 21:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:55	10/14/19 21:06	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:06	1
<b>Cobalt</b>	<b>0.018 J</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:06	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:06	1
Iron	<0.40		0.40	0.20	mg/L		10/12/19 16:55	10/14/19 21:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:55	10/14/19 21:06	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:06	1
<b>Nickel</b>	<b>0.048</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:06	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:55	10/14/19 21:06	1
Silver	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:06	1
<b>Zinc</b>	<b>0.047 J B</b>		0.50	0.020	mg/L		10/12/19 16:55	10/14/19 21:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/12/19 16:53	10/16/19 02:54	1
Barium	<0.50		0.50	0.050	mg/L		10/12/19 16:53	10/16/19 02:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:53	10/16/19 02:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:53	10/16/19 02:54	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:54	1
Cobalt	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:54	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:54	1
<b>Iron</b>	<b>0.41</b>		0.40	0.20	mg/L		10/12/19 16:53	10/16/19 02:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:53	10/16/19 02:54	1
<b>Manganese</b>	<b>0.025</b>		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:54	1
Nickel	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:54	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:53	10/16/19 15:40	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(4-10)-100719**

**Lab Sample ID: 500-171327-14**

Date Collected: 10/07/19 02:00

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 78.9

**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		10/12/19 16:53	10/16/19 02:54	1
Zinc	0.036	J	0.50	0.020	mg/L		10/12/19 16:53	10/16/19 02:54	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.55	J	1.2	0.24	mg/Kg	☼	10/15/19 17:28	10/17/19 19:25	1
Arsenic	7.6		0.62	0.21	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Barium	35		0.62	0.070	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Beryllium	0.75		0.25	0.058	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Cadmium	0.35	B	0.12	0.022	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Calcium	37000	B	12	2.1	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Chromium	16		0.62	0.31	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Cobalt	15		0.31	0.081	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Copper	33		0.62	0.17	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Iron	20000		12	6.4	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Lead	15		0.31	0.14	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Magnesium	20000		6.2	3.1	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Manganese	310		0.62	0.089	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Nickel	39		0.62	0.18	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Potassium	3000		31	11	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Selenium	<0.62	^	0.62	0.36	mg/Kg	☼	10/15/19 17:28	10/17/19 19:25	1
Silver	2.3		0.31	0.080	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Sodium	320		62	9.1	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Thallium	2.2		0.62	0.31	mg/Kg	☼	10/15/19 17:28	10/17/19 19:25	1
Vanadium	19		0.31	0.073	mg/Kg	☼	10/15/19 17:28	10/16/19 22:52	1
Zinc	87	B	1.2	0.54	mg/Kg	☼	10/15/19 17:28	10/17/19 19:25	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 15:18	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.020	0.0067	mg/Kg	☼	10/10/19 15:20	10/11/19 07:44	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/09/19 13:46	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(10-16)-100719**

**Lab Sample ID: 500-171327-15**

Date Collected: 10/07/19 02:10

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00075	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
1,1-Dichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
1,2-Dichloropropane	<0.0018		0.0018	0.00045	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Acetone	<0.018		0.018	0.0076	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Bromoform	<0.0018		0.0018	0.00051	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Dibromochloromethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Ethylbenzene	<0.0018		0.0018	0.00084	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00051	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Toluene	<0.0018		0.0018	0.00044	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Trichloroethene	<0.0018		0.0018	0.00059	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/07/19 15:50	10/14/19 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	10/07/19 15:50	10/14/19 16:30	1
4-Bromofluorobenzene (Surr)	101		75 - 131	10/07/19 15:50	10/14/19 16:30	1
Dibromofluoromethane	97		75 - 126	10/07/19 15:50	10/14/19 16:30	1
Toluene-d8 (Surr)	94		75 - 124	10/07/19 15:50	10/14/19 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(10-16)-100719**

**Lab Sample ID: 500-171327-15**

Date Collected: 10/07/19 02:10

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
<b>2-Methylnaphthalene</b>	<b>0.055</b>	<b>J</b>	0.083	0.0076	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Benzo[a]pyrene	<0.041		0.041	0.0079	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
<b>Benzo[g,h,i]perylene</b>	<b>0.018</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
<b>Chrysene</b>	<b>0.026</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
<b>Fluorene</b>	<b>0.0077</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(10-16)-100719**

**Lab Sample ID: 500-171327-15**

Date Collected: 10/07/19 02:10

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
N-Nitrosodiphenylamine	<0.21 *		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
<b>Phenanthrene</b>	<b>0.093</b>		0.041	0.0057	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1
Pyrene	<0.041		0.041	0.0082	mg/Kg	☼	10/14/19 15:49	10/15/19 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	64		31 - 143	10/14/19 15:49	10/15/19 15:24	1
2-Fluorobiphenyl	95		43 - 145	10/14/19 15:49	10/15/19 15:24	1
2-Fluorophenol	128		31 - 166	10/14/19 15:49	10/15/19 15:24	1
Nitrobenzene-d5	87		37 - 147	10/14/19 15:49	10/15/19 15:24	1
Phenol-d5	114		30 - 153	10/14/19 15:49	10/15/19 15:24	1
Terphenyl-d14	105		42 - 157	10/14/19 15:49	10/15/19 15:24	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		10/12/19 16:55	10/14/19 21:10	1
<b>Barium</b>	<b>0.70</b>		0.50	0.050	mg/L		10/12/19 16:55	10/14/19 21:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:55	10/14/19 21:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:55	10/14/19 21:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:10	1
<b>Cobalt</b>	<b>0.012 J</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:10	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:10	1
Iron	<0.40		0.40	0.20	mg/L		10/12/19 16:55	10/14/19 21:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:55	10/14/19 21:10	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:10	1
<b>Nickel</b>	<b>0.036</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:10	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:55	10/14/19 21:10	1
Silver	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:10	1
Zinc	<0.50		0.50	0.020	mg/L		10/12/19 16:55	10/14/19 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/12/19 16:53	10/16/19 02:58	1
Barium	<0.50		0.50	0.050	mg/L		10/12/19 16:53	10/16/19 02:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:53	10/16/19 02:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:53	10/16/19 02:58	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:58	1
Cobalt	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:58	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:58	1
<b>Iron</b>	<b>0.73</b>		0.40	0.20	mg/L		10/12/19 16:53	10/16/19 02:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:53	10/16/19 02:58	1
<b>Manganese</b>	<b>0.017 J</b>		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:58	1
Nickel	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 02:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:53	10/16/19 15:45	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(10-16)-100719**

**Lab Sample ID: 500-171327-15**

Date Collected: 10/07/19 02:10

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.2

**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		10/12/19 16:53	10/16/19 02:58	1
Zinc	<0.50		0.50	0.020	mg/L		10/12/19 16:53	10/16/19 02:58	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.66	J	1.1	0.22	mg/Kg	☼	10/15/19 17:28	10/17/19 19:37	1
Arsenic	7.7		0.57	0.20	mg/Kg	☼	10/15/19 17:28	10/16/19 22:56	1
Barium	37		0.57	0.065	mg/Kg	☼	10/15/19 17:28	10/16/19 22:56	1
Beryllium	0.65		0.23	0.054	mg/Kg	☼	10/15/19 17:28	10/16/19 22:56	1
Cadmium	0.11	B	0.11	0.021	mg/Kg	☼	10/15/19 17:28	10/16/19 22:56	1
Calcium	64000	B	110	19	mg/Kg	☼	10/15/19 17:28	10/17/19 17:41	10
Chromium	15		0.57	0.28	mg/Kg	☼	10/15/19 17:28	10/16/19 22:56	1
Cobalt	14		0.29	0.075	mg/Kg	☼	10/15/19 17:28	10/16/19 22:56	1
Copper	27		0.57	0.16	mg/Kg	☼	10/15/19 17:28	10/16/19 22:56	1
Iron	19000		11	6.0	mg/Kg	☼	10/15/19 17:28	10/16/19 22:56	1
Lead	12		0.29	0.13	mg/Kg	☼	10/15/19 17:28	10/16/19 22:56	1
Magnesium	24000		5.7	2.8	mg/Kg	☼	10/15/19 17:28	10/16/19 22:56	1
Manganese	370		0.57	0.083	mg/Kg	☼	10/15/19 17:28	10/16/19 22:56	1
Nickel	35		0.57	0.17	mg/Kg	☼	10/15/19 17:28	10/16/19 22:56	1
Potassium	2600		29	10	mg/Kg	☼	10/15/19 17:28	10/16/19 22:56	1
Selenium	<0.57	^	0.57	0.34	mg/Kg	☼	10/15/19 17:28	10/17/19 19:37	1
Silver	2.3		0.29	0.074	mg/Kg	☼	10/15/19 17:28	10/16/19 22:56	1
Sodium	200		57	8.5	mg/Kg	☼	10/15/19 17:28	10/16/19 22:56	1
Thallium	1.7		0.57	0.29	mg/Kg	☼	10/15/19 17:28	10/17/19 19:37	1
Vanadium	18		0.29	0.068	mg/Kg	☼	10/15/19 17:28	10/16/19 22:56	1
Zinc	51	B	1.1	0.50	mg/Kg	☼	10/15/19 17:28	10/17/19 19:37	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 15:19	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.021	0.0069	mg/Kg	☼	10/10/19 15:20	10/11/19 07:50	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/09/19 14:47	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(16-22)-100719**

**Lab Sample ID: 500-171327-16**

**Date Collected: 10/07/19 02:20**

**Matrix: Solid**

**Date Received: 10/07/19 15:00**

**Percent Solids: 78.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
1,2-Dichloroethane	<0.0043		0.0043	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
2-Hexanone	<0.0043		0.0043	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Acetone	<0.017		0.017	0.0076	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/07/19 15:50	10/14/19 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	10/07/19 15:50	10/14/19 16:55	1
4-Bromofluorobenzene (Surr)	99		75 - 131	10/07/19 15:50	10/14/19 16:55	1
Dibromofluoromethane	96		75 - 126	10/07/19 15:50	10/14/19 16:55	1
Toluene-d8 (Surr)	94		75 - 124	10/07/19 15:50	10/14/19 16:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(16-22)-100719**

**Lab Sample ID: 500-171327-16**

Date Collected: 10/07/19 02:20

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.095	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
2,4-Dichlorophenol	<0.41		0.41	0.099	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
2,4-Dinitrophenol	<0.84		0.84	0.73	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
<b>2-Methylnaphthalene</b>	<b>0.066</b>	<b>J</b>	0.084	0.0077	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Acenaphthene	<0.041		0.041	0.0075	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Anthracene	<0.041		0.041	0.0070	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Benzo[a]pyrene	<0.041		0.041	0.0081	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Benzo[b]fluoranthene	<0.041		0.041	0.0090	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
<b>Benzo[g,h,i]perylene</b>	<b>0.035</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
<b>Chrysene</b>	<b>0.039</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0081	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
<b>Fluoranthene</b>	<b>0.018</b>	<b>J</b>	0.041	0.0077	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
<b>Fluorene</b>	<b>0.014</b>	<b>J</b>	0.041	0.0059	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Hexachlorobenzene	<0.084		0.084	0.0097	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(16-22)-100719**

**Lab Sample ID: 500-171327-16**

Date Collected: 10/07/19 02:20

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
N-Nitrosodiphenylamine	<0.21	*	0.21	0.049	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
<b>Phenanthrene</b>	<b>0.15</b>		0.041	0.0058	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
Phenol	<0.21		0.21	0.093	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1
<b>Pyrene</b>	<b>0.035</b>	<b>J</b>	0.041	0.0083	mg/Kg	☼	10/14/19 15:49	10/15/19 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	69		31 - 143	10/14/19 15:49	10/15/19 15:53	1
2-Fluorobiphenyl	108		43 - 145	10/14/19 15:49	10/15/19 15:53	1
2-Fluorophenol	112		31 - 166	10/14/19 15:49	10/15/19 15:53	1
Nitrobenzene-d5	91		37 - 147	10/14/19 15:49	10/15/19 15:53	1
Phenol-d5	91		30 - 153	10/14/19 15:49	10/15/19 15:53	1
Terphenyl-d14	112		42 - 157	10/14/19 15:49	10/15/19 15:53	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		10/12/19 16:55	10/14/19 21:14	1
<b>Barium</b>	<b>0.67</b>		0.50	0.050	mg/L		10/12/19 16:55	10/14/19 21:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:55	10/14/19 21:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:55	10/14/19 21:14	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:14	1
<b>Cobalt</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:14	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:14	1
Iron	<0.40		0.40	0.20	mg/L		10/12/19 16:55	10/14/19 21:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:55	10/14/19 21:14	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:14	1
<b>Nickel</b>	<b>0.032</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:14	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:55	10/14/19 21:14	1
Silver	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:14	1
Zinc	<0.50		0.50	0.020	mg/L		10/12/19 16:55	10/14/19 21:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/12/19 16:53	10/16/19 03:02	1
<b>Barium</b>	<b>0.051</b>	<b>J</b>	0.50	0.050	mg/L		10/12/19 16:53	10/16/19 03:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:53	10/16/19 03:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:53	10/16/19 03:02	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:02	1
Cobalt	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:02	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:02	1
<b>Iron</b>	<b>4.4</b>		0.40	0.20	mg/L		10/12/19 16:53	10/16/19 03:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:53	10/16/19 03:02	1
<b>Manganese</b>	<b>0.046</b>		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:02	1
Nickel	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:02	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:53	10/16/19 15:49	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(16-22)-100719**

**Lab Sample ID: 500-171327-16**

Date Collected: 10/07/19 02:20

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:02	1
<b>Zinc</b>	<b>0.038</b>	<b>J</b>	0.50	0.020	mg/L		10/12/19 16:53	10/16/19 03:02	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.57</b>	<b>J</b>	1.2	0.23	mg/Kg	☼	10/15/19 17:28	10/17/19 19:41	1
<b>Arsenic</b>	<b>7.0</b>		0.59	0.20	mg/Kg	☼	10/15/19 17:28	10/16/19 23:00	1
<b>Barium</b>	<b>38</b>		0.59	0.067	mg/Kg	☼	10/15/19 17:28	10/16/19 23:00	1
<b>Beryllium</b>	<b>0.74</b>		0.24	0.055	mg/Kg	☼	10/15/19 17:28	10/16/19 23:00	1
<b>Cadmium</b>	<b>0.12</b>	<b>B</b>	0.12	0.021	mg/Kg	☼	10/15/19 17:28	10/16/19 23:00	1
<b>Calcium</b>	<b>59000</b>	<b>B</b>	120	20	mg/Kg	☼	10/15/19 17:28	10/17/19 17:44	10
<b>Chromium</b>	<b>17</b>		0.59	0.29	mg/Kg	☼	10/15/19 17:28	10/16/19 23:00	1
<b>Cobalt</b>	<b>14</b>		0.29	0.077	mg/Kg	☼	10/15/19 17:28	10/16/19 23:00	1
<b>Copper</b>	<b>38</b>		0.59	0.16	mg/Kg	☼	10/15/19 17:28	10/16/19 23:00	1
<b>Iron</b>	<b>21000</b>		12	6.1	mg/Kg	☼	10/15/19 17:28	10/16/19 23:00	1
<b>Lead</b>	<b>13</b>		0.29	0.14	mg/Kg	☼	10/15/19 17:28	10/16/19 23:00	1
<b>Magnesium</b>	<b>22000</b>		5.9	2.9	mg/Kg	☼	10/15/19 17:28	10/16/19 23:00	1
<b>Manganese</b>	<b>320</b>		0.59	0.085	mg/Kg	☼	10/15/19 17:28	10/16/19 23:00	1
<b>Nickel</b>	<b>35</b>		0.59	0.17	mg/Kg	☼	10/15/19 17:28	10/16/19 23:00	1
<b>Potassium</b>	<b>2900</b>		29	10	mg/Kg	☼	10/15/19 17:28	10/16/19 23:00	1
Selenium	<0.59	^	0.59	0.35	mg/Kg	☼	10/15/19 17:28	10/17/19 19:41	1
<b>Silver</b>	<b>2.4</b>		0.29	0.076	mg/Kg	☼	10/15/19 17:28	10/16/19 23:00	1
<b>Sodium</b>	<b>220</b>		59	8.7	mg/Kg	☼	10/15/19 17:28	10/16/19 23:00	1
<b>Thallium</b>	<b>1.1</b>		0.59	0.29	mg/Kg	☼	10/15/19 17:28	10/17/19 19:41	1
<b>Vanadium</b>	<b>19</b>		0.29	0.070	mg/Kg	☼	10/15/19 17:28	10/16/19 23:00	1
<b>Zinc</b>	<b>56</b>	<b>B</b>	1.2	0.52	mg/Kg	☼	10/15/19 17:28	10/17/19 19:41	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 15:21	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.019</b>	<b>J</b>	0.021	0.0070	mg/Kg	☼	10/10/19 15:20	10/11/19 07:52	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.9</b>		0.2	0.2	SU			10/09/19 14:47	1



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(22-30)-100719**

**Lab Sample ID: 500-171327-17**

**Date Collected: 10/07/19 02:30**

**Matrix: Solid**

**Date Received: 10/07/19 15:00**

**Percent Solids: 79.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00061	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00082	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00067	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Acetone	<0.019		0.019	0.0084	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Carbon disulfide	<0.0048		0.0048	0.0010	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Chlorobenzene	<0.0019		0.0019	0.00071	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Chloroform	<0.0019		0.0019	0.00067	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Ethylbenzene	<0.0019		0.0019	0.00092	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0021	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00056	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Tetrachloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Toluene	<0.0019		0.0019	0.00048	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00085	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00067	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Vinyl chloride	<0.0019		0.0019	0.00085	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1
Xylenes, Total	<0.0038		0.0038	0.00061	mg/Kg	☼	10/07/19 15:50	10/14/19 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		70 - 134	10/07/19 15:50	10/14/19 17:20	1
4-Bromofluorobenzene (Surr)	98		75 - 131	10/07/19 15:50	10/14/19 17:20	1
Dibromofluoromethane	91		75 - 126	10/07/19 15:50	10/14/19 17:20	1
Toluene-d8 (Surr)	96		75 - 124	10/07/19 15:50	10/14/19 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(22-30)-100719**

**Lab Sample ID: 500-171327-17**

Date Collected: 10/07/19 02:30

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 79.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.093	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
<b>2-Methylnaphthalene</b>	<b>0.043</b>	<b>J</b>	0.083	0.0075	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Anthracene	<0.041		0.041	0.0068	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Benzo[a]pyrene	<0.041		0.041	0.0079	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Benzo[b]fluoranthene	<0.041		0.041	0.0088	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
<b>Benzo[g,h,i]perylene</b>	<b>0.023</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
<b>Chrysene</b>	<b>0.026</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(22-30)-100719**

**Lab Sample ID: 500-171327-17**

Date Collected: 10/07/19 02:30

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 79.9

**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	<0.041		0.041	0.011	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
N-Nitrosodiphenylamine	<0.21 *		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
<b>Phenanthrene</b>	<b>0.10</b>		0.041	0.0057	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1
Pyrene	<0.041		0.041	0.0081	mg/Kg	☼	10/14/19 15:49	10/15/19 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	66		31 - 143	10/14/19 15:49	10/15/19 17:20	1
2-Fluorobiphenyl	97		43 - 145	10/14/19 15:49	10/15/19 17:20	1
2-Fluorophenol	132		31 - 166	10/14/19 15:49	10/15/19 17:20	1
Nitrobenzene-d5	81		37 - 147	10/14/19 15:49	10/15/19 17:20	1
Phenol-d5	124		30 - 153	10/14/19 15:49	10/15/19 17:20	1
Terphenyl-d14	106		42 - 157	10/14/19 15:49	10/15/19 17:20	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/12/19 16:55	10/14/19 21:19	1
<b>Barium</b>	<b>0.63</b>		0.50	0.050	mg/L		10/12/19 16:55	10/14/19 21:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:55	10/14/19 21:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:55	10/14/19 21:19	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:19	1
<b>Cobalt</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:19	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:19	1
<b>Iron</b>	<b>0.20</b>	<b>J</b>	0.40	0.20	mg/L		10/12/19 16:55	10/14/19 21:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:55	10/14/19 21:19	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:19	1
<b>Nickel</b>	<b>0.033</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:19	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:55	10/14/19 21:19	1
Silver	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:19	1
Zinc	<0.50		0.50	0.020	mg/L		10/12/19 16:55	10/14/19 21:19	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		10/12/19 16:53	10/16/19 03:06	1
<b>Barium</b>	<b>0.063</b>	<b>J</b>	0.50	0.050	mg/L		10/12/19 16:53	10/16/19 03:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:53	10/16/19 03:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:53	10/16/19 03:06	1
<b>Chromium</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:06	1
Cobalt	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:06	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:06	1
<b>Iron</b>	<b>6.7</b>		0.40	0.20	mg/L		10/12/19 16:53	10/16/19 03:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:53	10/16/19 03:06	1
<b>Manganese</b>	<b>0.073</b>		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:06	1
<b>Nickel</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:06	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:53	10/16/19 16:01	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-91(22-30)-100719**

**Lab Sample ID: 500-171327-17**

Date Collected: 10/07/19 02:30

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 79.9

**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		10/12/19 16:53	10/16/19 03:06	1
<b>Zinc</b>	<b>0.088</b>	<b>J</b>	0.50	0.020	mg/L		10/12/19 16:53	10/16/19 03:06	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.68</b>	<b>J</b>	1.2	0.24	mg/Kg	☼	10/15/19 17:28	10/17/19 19:45	1
<b>Arsenic</b>	<b>6.6</b>		0.62	0.21	mg/Kg	☼	10/15/19 17:28	10/16/19 23:04	1
<b>Barium</b>	<b>39</b>		0.62	0.070	mg/Kg	☼	10/15/19 17:28	10/16/19 23:04	1
<b>Beryllium</b>	<b>0.68</b>		0.25	0.058	mg/Kg	☼	10/15/19 17:28	10/16/19 23:04	1
<b>Cadmium</b>	<b>0.10</b>	<b>J B</b>	0.12	0.022	mg/Kg	☼	10/15/19 17:28	10/16/19 23:04	1
<b>Calcium</b>	<b>58000</b>	<b>B</b>	120	21	mg/Kg	☼	10/15/19 17:28	10/17/19 17:48	10
<b>Chromium</b>	<b>16</b>		0.62	0.31	mg/Kg	☼	10/15/19 17:28	10/16/19 23:04	1
<b>Cobalt</b>	<b>13</b>		0.31	0.081	mg/Kg	☼	10/15/19 17:28	10/16/19 23:04	1
<b>Copper</b>	<b>26</b>		0.62	0.17	mg/Kg	☼	10/15/19 17:28	10/16/19 23:04	1
<b>Iron</b>	<b>19000</b>		12	6.4	mg/Kg	☼	10/15/19 17:28	10/16/19 23:04	1
<b>Lead</b>	<b>14</b>		0.31	0.14	mg/Kg	☼	10/15/19 17:28	10/16/19 23:04	1
<b>Magnesium</b>	<b>23000</b>		6.2	3.1	mg/Kg	☼	10/15/19 17:28	10/16/19 23:04	1
<b>Manganese</b>	<b>320</b>		0.62	0.089	mg/Kg	☼	10/15/19 17:28	10/16/19 23:04	1
<b>Nickel</b>	<b>33</b>		0.62	0.18	mg/Kg	☼	10/15/19 17:28	10/16/19 23:04	1
<b>Potassium</b>	<b>2900</b>		31	11	mg/Kg	☼	10/15/19 17:28	10/16/19 23:04	1
Selenium	<0.62	^	0.62	0.36	mg/Kg	☼	10/15/19 17:28	10/17/19 19:45	1
<b>Silver</b>	<b>2.4</b>		0.31	0.080	mg/Kg	☼	10/15/19 17:28	10/16/19 23:04	1
<b>Sodium</b>	<b>220</b>		62	9.1	mg/Kg	☼	10/15/19 17:28	10/16/19 23:04	1
<b>Thallium</b>	<b>1.6</b>		0.62	0.31	mg/Kg	☼	10/15/19 17:28	10/17/19 19:45	1
<b>Vanadium</b>	<b>19</b>		0.31	0.073	mg/Kg	☼	10/15/19 17:28	10/16/19 23:04	1
<b>Zinc</b>	<b>50</b>	<b>B</b>	1.2	0.54	mg/Kg	☼	10/15/19 17:28	10/17/19 19:45	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 14:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 15:22	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.021</b>		0.019	0.0065	mg/Kg	☼	10/10/19 15:20	10/11/19 07:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.4</b>		0.2	0.2	SU			10/09/19 14:47	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-97(0-4)-100719**

**Lab Sample ID: 500-171327-18**

Date Collected: 10/07/19 03:30

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Acetone	<0.018		0.018	0.0078	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	10/07/19 15:50	10/14/19 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	10/07/19 15:50	10/14/19 17:45	1
4-Bromofluorobenzene (Surr)	98		75 - 131	10/07/19 15:50	10/14/19 17:45	1
Dibromofluoromethane	93		75 - 126	10/07/19 15:50	10/14/19 17:45	1
Toluene-d8 (Surr)	94		75 - 124	10/07/19 15:50	10/14/19 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-97(0-4)-100719**

**Lab Sample ID: 500-171327-18**

Date Collected: 10/07/19 03:30

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
<b>2-Methylnaphthalene</b>	<b>0.013</b>	<b>J</b>	0.083	0.0075	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
<b>Acenaphthene</b>	<b>0.012</b>	<b>J</b>	0.041	0.0074	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
<b>Anthracene</b>	<b>0.13</b>		0.041	0.0069	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
<b>Benzo[a]anthracene</b>	<b>0.037</b>	<b>J</b>	0.041	0.0055	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
<b>Benzo[a]pyrene</b>	<b>0.034</b>	<b>J</b>	0.041	0.0079	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
<b>Benzo[b]fluoranthene</b>	<b>0.036</b>	<b>J</b>	0.041	0.0088	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
<b>Benzo[g,h,i]perylene</b>	<b>0.018</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
<b>Chrysene</b>	<b>0.057</b>		0.041	0.011	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
<b>Dibenzofuran</b>	<b>0.065</b>	<b>J</b>	0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
<b>Fluoranthene</b>	<b>0.47</b>		0.041	0.0076	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
<b>Fluorene</b>	<b>0.025</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-97(0-4)-100719**

**Lab Sample ID: 500-171327-18**

Date Collected: 10/07/19 03:30

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
N-Nitrosodiphenylamine	<0.21 *		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
<b>Phenanthrene</b>	<b>0.12</b>		0.041	0.0057	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1
<b>Pyrene</b>	<b>0.31</b>		0.041	0.0081	mg/Kg	☼	10/14/19 15:49	10/15/19 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	67		31 - 143	10/14/19 15:49	10/15/19 17:50	1
2-Fluorobiphenyl	92		43 - 145	10/14/19 15:49	10/15/19 17:50	1
2-Fluorophenol	109		31 - 166	10/14/19 15:49	10/15/19 17:50	1
Nitrobenzene-d5	77		37 - 147	10/14/19 15:49	10/15/19 17:50	1
Phenol-d5	104		30 - 153	10/14/19 15:49	10/15/19 17:50	1
Terphenyl-d14	108		42 - 157	10/14/19 15:49	10/15/19 17:50	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/12/19 16:55	10/14/19 21:23	1
<b>Barium</b>	<b>0.56</b>		0.50	0.050	mg/L		10/12/19 16:55	10/14/19 21:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:55	10/14/19 21:23	1
<b>Cadmium</b>	<b>0.0024</b>	<b>J</b>	0.0050	0.0020	mg/L		10/12/19 16:55	10/14/19 21:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:23	1
<b>Cobalt</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:23	1
<b>Copper</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:23	1
Iron	<0.40		0.40	0.20	mg/L		10/12/19 16:55	10/14/19 21:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:55	10/14/19 21:23	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:23	1
<b>Nickel</b>	<b>0.030</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:23	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:55	10/14/19 21:23	1
Silver	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:23	1
Zinc	<0.50		0.50	0.020	mg/L		10/12/19 16:55	10/14/19 21:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/12/19 16:53	10/16/19 03:10	1
Barium	<0.50		0.50	0.050	mg/L		10/12/19 16:53	10/16/19 03:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:53	10/16/19 03:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:53	10/16/19 03:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:10	1
Cobalt	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:10	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:10	1
<b>Iron</b>	<b>1.7</b>		0.40	0.20	mg/L		10/12/19 16:53	10/16/19 03:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:53	10/16/19 03:10	1
<b>Manganese</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:10	1
Nickel	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:10	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:53	10/16/19 16:05	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-97(0-4)-100719**

**Lab Sample ID: 500-171327-18**

Date Collected: 10/07/19 03:30

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:10	1
Zinc	0.028	J	0.50	0.020	mg/L		10/12/19 16:53	10/16/19 03:10	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.84	J	1.2	0.22	mg/Kg	☼	10/15/19 17:28	10/17/19 19:49	1
Arsenic	7.0		0.58	0.20	mg/Kg	☼	10/15/19 17:28	10/16/19 23:09	1
Barium	37		0.58	0.066	mg/Kg	☼	10/15/19 17:28	10/16/19 23:09	1
Beryllium	0.74		0.23	0.054	mg/Kg	☼	10/15/19 17:28	10/16/19 23:09	1
Cadmium	0.090	J B	0.12	0.021	mg/Kg	☼	10/15/19 17:28	10/16/19 23:09	1
Calcium	59000	B	120	20	mg/Kg	☼	10/15/19 17:28	10/17/19 17:52	10
Chromium	16		0.58	0.29	mg/Kg	☼	10/15/19 17:28	10/16/19 23:09	1
Cobalt	13		0.29	0.076	mg/Kg	☼	10/15/19 17:28	10/16/19 23:09	1
Copper	25		0.58	0.16	mg/Kg	☼	10/15/19 17:28	10/16/19 23:09	1
Iron	20000		12	6.0	mg/Kg	☼	10/15/19 17:28	10/16/19 23:09	1
Lead	12		0.29	0.13	mg/Kg	☼	10/15/19 17:28	10/16/19 23:09	1
Magnesium	24000		5.8	2.9	mg/Kg	☼	10/15/19 17:28	10/16/19 23:09	1
Manganese	330		0.58	0.084	mg/Kg	☼	10/15/19 17:28	10/16/19 23:09	1
Nickel	33		0.58	0.17	mg/Kg	☼	10/15/19 17:28	10/16/19 23:09	1
Potassium	3000		29	10	mg/Kg	☼	10/15/19 17:28	10/16/19 23:09	1
Selenium	<0.58	^	0.58	0.34	mg/Kg	☼	10/15/19 17:28	10/17/19 19:49	1
Silver	2.3		0.29	0.074	mg/Kg	☼	10/15/19 17:28	10/16/19 23:09	1
Sodium	200		58	8.5	mg/Kg	☼	10/15/19 17:28	10/16/19 23:09	1
Thallium	1.7		0.58	0.29	mg/Kg	☼	10/15/19 17:28	10/17/19 19:49	1
Vanadium	19		0.29	0.068	mg/Kg	☼	10/15/19 17:28	10/16/19 23:09	1
Zinc	54	B	1.2	0.51	mg/Kg	☼	10/15/19 17:28	10/17/19 19:49	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 15:28	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.019	0.0062	mg/Kg	☼	10/10/19 15:20	10/11/19 07:57	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/09/19 14:47	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-97(4-8)-100719**

**Lab Sample ID: 500-171327-19**

**Date Collected: 10/07/19 03:35**

**Matrix: Solid**

**Date Received: 10/07/19 15:00**

**Percent Solids: 80.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00062	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00059	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00080	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
1,1-Dichloroethane	<0.0019		0.0019	0.00063	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
1,1-Dichloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
1,2-Dichloropropane	<0.0019		0.0019	0.00048	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00065	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Acetone	<0.019		0.019	0.0081	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Benzene	<0.0019		0.0019	0.00047	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Bromoform	<0.0019		0.0019	0.00054	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Bromomethane	<0.0046		0.0046	0.0018	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Carbon disulfide	<0.0046		0.0046	0.00096	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Chlorobenzene	<0.0019		0.0019	0.00068	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Chloroform	<0.0019		0.0019	0.00064	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Chloromethane	<0.0046		0.0046	0.0019	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00056	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Ethylbenzene	<0.0019		0.0019	0.00089	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0021	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00054	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Styrene	<0.0019		0.0019	0.00056	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Tetrachloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Toluene	<0.0019		0.0019	0.00047	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00082	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Vinyl chloride	<0.0019		0.0019	0.00082	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	10/07/19 15:50	10/14/19 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	10/07/19 15:50	10/14/19 18:10	1
4-Bromofluorobenzene (Surr)	97		75 - 131	10/07/19 15:50	10/14/19 18:10	1
Dibromofluoromethane	93		75 - 126	10/07/19 15:50	10/14/19 18:10	1
Toluene-d8 (Surr)	95		75 - 124	10/07/19 15:50	10/14/19 18:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-97(4-8)-100719**

**Lab Sample ID: 500-171327-19**

Date Collected: 10/07/19 03:35

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
2,4-Dinitrophenol	<0.83		0.83	0.73	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
<b>2-Methylnaphthalene</b>	<b>0.042</b>	<b>J</b>	0.083	0.0076	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
<b>Anthracene</b>	<b>0.0096</b>	<b>J</b>	0.041	0.0069	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
<b>Benzo[g,h,i]perylene</b>	<b>0.020</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
<b>Chrysene</b>	<b>0.038</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
<b>Fluorene</b>	<b>0.012</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Hexachlorobenzene	<0.083		0.083	0.0096	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-97(4-8)-100719**

**Lab Sample ID: 500-171327-19**

Date Collected: 10/07/19 03:35

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.051	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
N-Nitrosodiphenylamine	<0.21 *		0.21	0.049	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
<b>Phenanthrene</b>	<b>0.13</b>		0.041	0.0058	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1
Pyrene	<0.041		0.041	0.0082	mg/Kg	☼	10/14/19 15:49	10/15/19 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		31 - 143	10/14/19 15:49	10/15/19 16:51	1
2-Fluorobiphenyl	85		43 - 145	10/14/19 15:49	10/15/19 16:51	1
2-Fluorophenol	111		31 - 166	10/14/19 15:49	10/15/19 16:51	1
Nitrobenzene-d5	73		37 - 147	10/14/19 15:49	10/15/19 16:51	1
Phenol-d5	104		30 - 153	10/14/19 15:49	10/15/19 16:51	1
Terphenyl-d14	107		42 - 157	10/14/19 15:49	10/15/19 16:51	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/12/19 16:55	10/14/19 21:27	1
<b>Barium</b>	<b>0.59</b>		0.50	0.050	mg/L		10/12/19 16:55	10/14/19 21:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:55	10/14/19 21:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:55	10/14/19 21:27	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:27	1
<b>Cobalt</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:27	1
<b>Copper</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:27	1
<b>Iron</b>	<b>0.20</b>	<b>J</b>	0.40	0.20	mg/L		10/12/19 16:55	10/14/19 21:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:55	10/14/19 21:27	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:27	1
<b>Nickel</b>	<b>0.048</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:55	10/14/19 21:27	1
Silver	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:27	1
Zinc	<0.50		0.50	0.020	mg/L		10/12/19 16:55	10/14/19 21:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/12/19 16:53	10/16/19 03:14	1
Barium	<0.50		0.50	0.050	mg/L		10/12/19 16:53	10/16/19 03:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:53	10/16/19 03:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:53	10/16/19 03:14	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:14	1
Cobalt	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:14	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:14	1
<b>Iron</b>	<b>0.28</b>	<b>J</b>	0.40	0.20	mg/L		10/12/19 16:53	10/16/19 03:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:53	10/16/19 03:14	1
<b>Manganese</b>	<b>0.020</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:14	1
Nickel	<0.025		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:14	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:53	10/16/19 16:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-97(4-8)-100719**

**Lab Sample ID: 500-171327-19**

Date Collected: 10/07/19 03:35

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.1

**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		10/12/19 16:53	10/16/19 03:14	1
<b>Zinc</b>	<b>0.030</b>	<b>J</b>	0.50	0.020	mg/L		10/12/19 16:53	10/16/19 03:14	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.64</b>	<b>J</b>	1.2	0.24	mg/Kg	☼	10/15/19 17:28	10/17/19 19:54	1
<b>Arsenic</b>	<b>6.6</b>		0.61	0.21	mg/Kg	☼	10/15/19 17:28	10/16/19 23:13	1
<b>Barium</b>	<b>36</b>		0.61	0.070	mg/Kg	☼	10/15/19 17:28	10/16/19 23:13	1
<b>Beryllium</b>	<b>0.73</b>		0.24	0.057	mg/Kg	☼	10/15/19 17:28	10/16/19 23:13	1
<b>Cadmium</b>	<b>0.14</b>	<b>B</b>	0.12	0.022	mg/Kg	☼	10/15/19 17:28	10/16/19 23:13	1
<b>Calcium</b>	<b>55000</b>	<b>B</b>	120	21	mg/Kg	☼	10/15/19 17:28	10/17/19 17:56	10
<b>Chromium</b>	<b>16</b>		0.61	0.30	mg/Kg	☼	10/15/19 17:28	10/16/19 23:13	1
<b>Cobalt</b>	<b>13</b>		0.31	0.080	mg/Kg	☼	10/15/19 17:28	10/16/19 23:13	1
<b>Copper</b>	<b>31</b>		0.61	0.17	mg/Kg	☼	10/15/19 17:28	10/16/19 23:13	1
<b>Iron</b>	<b>19000</b>		12	6.4	mg/Kg	☼	10/15/19 17:28	10/16/19 23:13	1
<b>Lead</b>	<b>15</b>		0.31	0.14	mg/Kg	☼	10/15/19 17:28	10/16/19 23:13	1
<b>Magnesium</b>	<b>24000</b>		6.1	3.0	mg/Kg	☼	10/15/19 17:28	10/16/19 23:13	1
<b>Manganese</b>	<b>300</b>		0.61	0.089	mg/Kg	☼	10/15/19 17:28	10/16/19 23:13	1
<b>Nickel</b>	<b>36</b>		0.61	0.18	mg/Kg	☼	10/15/19 17:28	10/16/19 23:13	1
<b>Potassium</b>	<b>2800</b>		31	11	mg/Kg	☼	10/15/19 17:28	10/16/19 23:13	1
Selenium	<0.61	^	0.61	0.36	mg/Kg	☼	10/15/19 17:28	10/17/19 19:54	1
<b>Silver</b>	<b>2.2</b>		0.31	0.079	mg/Kg	☼	10/15/19 17:28	10/16/19 23:13	1
<b>Sodium</b>	<b>540</b>		61	9.1	mg/Kg	☼	10/15/19 17:28	10/16/19 23:13	1
<b>Thallium</b>	<b>1.6</b>		0.61	0.31	mg/Kg	☼	10/15/19 17:28	10/17/19 19:54	1
<b>Vanadium</b>	<b>18</b>		0.31	0.072	mg/Kg	☼	10/15/19 17:28	10/16/19 23:13	1
<b>Zinc</b>	<b>49</b>	<b>B</b>	1.2	0.54	mg/Kg	☼	10/15/19 17:28	10/17/19 19:54	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 14:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 15:29	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.023</b>		0.020	0.0067	mg/Kg	☼	10/10/19 15:20	10/11/19 07:59	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.6</b>		0.2	0.2	SU			10/09/19 14:47	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-97(4-8)-100719D**

**Lab Sample ID: 500-171327-20**

**Date Collected: 10/07/19 03:35**

**Matrix: Solid**

**Date Received: 10/07/19 15:00**

**Percent Solids: 80.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Acetone	<0.017		0.017	0.0076	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Benzene	<0.0017		0.0017	0.00045	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Bromodichloromethane	<0.0017		0.0017	0.00036	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Carbon tetrachloride	<0.0017		0.0017	0.00051	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Chlorobenzene	<0.0017		0.0017	0.00065	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Chloroform	<0.0017		0.0017	0.00061	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00053	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Ethylbenzene	<0.0017		0.0017	0.00084	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Styrene	<0.0017		0.0017	0.00053	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Tetrachloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/07/19 15:50	10/14/19 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	10/07/19 15:50	10/14/19 18:36	1
4-Bromofluorobenzene (Surr)	100		75 - 131	10/07/19 15:50	10/14/19 18:36	1
Dibromofluoromethane	94		75 - 126	10/07/19 15:50	10/14/19 18:36	1
Toluene-d8 (Surr)	95		75 - 124	10/07/19 15:50	10/14/19 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-97(4-8)-100719D**

**Lab Sample ID: 500-171327-20**

Date Collected: 10/07/19 03:35

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.093	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
2,6-Dinitrotoluene	<0.21		0.21	0.080	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
<b>2-Methylnaphthalene</b>	<b>0.10</b>		0.083	0.0075	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
<b>Acenaphthene</b>	<b>0.022</b>	<b>J</b>	0.041	0.0074	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Anthracene	<0.041		0.041	0.0068	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Benzo[a]pyrene	<0.041		0.041	0.0079	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Benzo[b]fluoranthene	<0.041		0.041	0.0088	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Dimethyl phthalate	<0.21		0.21	0.053	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
<b>Fluoranthene</b>	<b>0.0086</b>	<b>J</b>	0.041	0.0076	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
<b>Fluorene</b>	<b>0.013</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-97(4-8)-100719D**

**Lab Sample ID: 500-171327-20**

Date Collected: 10/07/19 03:35

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.0

**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	<0.041		0.041	0.011	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
N-Nitrosodiphenylamine	<0.21 *		0.21	0.048	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
<b>Phenanthrene</b>	<b>0.20</b>		0.041	0.0057	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1
<b>Pyrene</b>	<b>0.032 J</b>		0.041	0.0081	mg/Kg	☼	10/14/19 15:49	10/15/19 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63		31 - 143	10/14/19 15:49	10/15/19 18:19	1
2-Fluorobiphenyl	93		43 - 145	10/14/19 15:49	10/15/19 18:19	1
2-Fluorophenol	105		31 - 166	10/14/19 15:49	10/15/19 18:19	1
Nitrobenzene-d5	78		37 - 147	10/14/19 15:49	10/15/19 18:19	1
Phenol-d5	102		30 - 153	10/14/19 15:49	10/15/19 18:19	1
Terphenyl-d14	106		42 - 157	10/14/19 15:49	10/15/19 18:19	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		10/12/19 16:55	10/14/19 21:39	1
<b>Barium</b>	<b>0.55</b>		0.50	0.050	mg/L		10/12/19 16:55	10/14/19 21:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:55	10/14/19 21:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:55	10/14/19 21:39	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:39	1
<b>Cobalt</b>	<b>0.019 J</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:39	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:39	1
Iron	<0.40		0.40	0.20	mg/L		10/12/19 16:55	10/14/19 21:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:55	10/14/19 21:39	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:39	1
<b>Nickel</b>	<b>0.044</b>		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:39	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:55	10/14/19 21:39	1
Silver	<0.025		0.025	0.010	mg/L		10/12/19 16:55	10/14/19 21:39	1
Zinc	<0.50		0.50	0.020	mg/L		10/12/19 16:55	10/14/19 21:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050	F1	0.050	0.010	mg/L		10/12/19 16:53	10/16/19 03:18	1
Barium	<0.50	F1	0.50	0.050	mg/L		10/12/19 16:53	10/16/19 03:18	1
Beryllium	<0.0040	F1	0.0040	0.0040	mg/L		10/12/19 16:53	10/16/19 03:18	1
Cadmium	<0.0050	F1	0.0050	0.0020	mg/L		10/12/19 16:53	10/16/19 03:18	1
Chromium	<0.025	F1	0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:18	1
Cobalt	<0.025	F1	0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:18	1
Copper	<0.025	F1	0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:18	1
Iron	<0.40	F1	0.40	0.20	mg/L		10/12/19 16:53	10/16/19 03:18	1
Lead	<0.0075	F1	0.0075	0.0075	mg/L		10/12/19 16:53	10/16/19 03:18	1
<b>Manganese</b>	<b>0.021 J F1</b>		0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:18	1
Nickel	<0.025	F1	0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:18	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:53	10/16/19 16:14	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

**Client Sample ID: ROW-97(4-8)-100719D**

**Lab Sample ID: 500-171327-20**

Date Collected: 10/07/19 03:35

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	F1	0.025	0.010	mg/L		10/12/19 16:53	10/16/19 03:18	1
Zinc	0.050	J F1	0.50	0.020	mg/L		10/12/19 16:53	10/16/19 03:18	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.58	J	1.2	0.24	mg/Kg	☼	10/15/19 17:28	10/17/19 19:58	1
Arsenic	10		0.62	0.21	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Barium	34		0.62	0.070	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Beryllium	0.76		0.25	0.057	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Cadmium	0.12	B	0.12	0.022	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Calcium	35000	B	12	2.1	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Chromium	16		0.62	0.30	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Cobalt	17		0.31	0.081	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Copper	41		0.62	0.17	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Iron	22000		12	6.4	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Lead	17		0.31	0.14	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Magnesium	19000		6.2	3.1	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Manganese	320		0.62	0.089	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Nickel	43		0.62	0.18	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Potassium	2600		31	11	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Selenium	<0.62	^	0.62	0.36	mg/Kg	☼	10/15/19 17:28	10/17/19 19:58	1
Silver	2.1		0.31	0.079	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Sodium	380		62	9.1	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Thallium	1.8		0.62	0.31	mg/Kg	☼	10/15/19 17:28	10/17/19 19:58	1
Vanadium	18		0.31	0.073	mg/Kg	☼	10/15/19 17:28	10/16/19 23:17	1
Zinc	53	B	1.2	0.54	mg/Kg	☼	10/15/19 17:28	10/17/19 19:58	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 14:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 15:31	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.020	0.0066	mg/Kg	☼	10/10/19 15:20	10/11/19 08:01	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/09/19 14:47	1



# Definitions/Glossary

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171327-1

## Qualifiers

### GC/MS VOA

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

### GC/MS Semi VOA

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

### Metals

Qualifier	Qualifier Description
^	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 - Circle Interchange-WO 003

Job ID: 500-171327-1

## 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	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 6041  
Phone: 708.534.5200 Fax: 708.534.5



500-171327 COC

Report To (optional)  
Contact: Andris Stessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

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

## Chain of Custody Record

Lab Job #: 500-171327  
Chain of Custody Number: \_\_\_\_\_  
Page 1 of 4  
Temperature °C of Cooler: 44, 47, 32, 35

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
<u>Western</u>		<u>02056.016.003</u>										
Project Name		Project Location/State		Lab Project #		Lab PM		Sampler		Preservative Key		
<u>IZDOT 90/94</u>		<u>Chicago, IL</u>						<u>C. Pence + M. Dechro</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		
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total metals	TECP/SOPC	metals	PH
			Date	Time								
<u>1</u>		<u>Row-92(5-30)-100619</u>	<u>10/6/19</u>	<u>2305</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>2</u>		<u>Row-92(10-15)-100619</u>		<u>2315</u>								
<u>3</u>		<u>Row-92(15-20)-100619</u>		<u>2325</u>								
<u>4</u>		<u>Row-92(15-20)-100619D</u>		<u>2325</u>								
<u>5</u>		<u>Row-92(20-26)-100619</u>		<u>2340</u>								
<u>6</u>		<u>Row-92(26-32)-100619</u>		<u>2350</u>								
<u>7</u>		<u>Row-92(32-40)-100719</u>	<u>10/7/19</u>	<u>0005</u>								
<u>8</u>		<u>Row-92(40-48)-100719</u>		<u>0020</u>								
<u>9</u>		<u>Row-92(48-56)-100719</u>		<u>0030</u>								
<u>10</u>		<u>Row-92(56-64)-100719</u>		<u>0050</u>								

Turnaround Time Required (Business Days) 1 Day X 2 Days 5 Days 7 Days 10 Days 15 Days Other  
Requested Due Date \_\_\_\_\_  
Sample Disposal:  Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>WS</u> Date: <u>10/7/19</u> Time: <u>1400</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/7/19</u> Time: <u>1700</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/7/19</u> Time: <u>1500</u>	Received By: <u>[Signature]</u> Company: <u>TA-CHE</u> Date: <u>10/7/19</u> Time: <u>1500</u>

Lab Courier: TA  
Shipped: \_\_\_\_\_  
Hand Delivered: \_\_\_\_\_

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

Client Comments: \_\_\_\_\_  
Lab Comments: \_\_\_\_\_

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)  
 Contact: Andris Slesser  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

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

## Chain of Custody Record

Lab Job #: 500-171327  
 Chain of Custody Number: \_\_\_\_\_  
 Page 2 of 4  
 Temperature °C of Cooler: 44, 47, 3, 2, 3, 5

Client		Client Project #		Preservative		Parameter										Preservative Key	
<u>Weston</u>		<u>02056-016-003</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		Project Location/State		Lab Project #		Lab PM											
<u>IDOT 90/94</u>		<u>Chicago, IL</u>															
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix											Comments
<u>11</u>		<u>Row-99(0-4)-100619</u>	<u>10/6/19</u>	<u>1140</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>						
<u>12</u>		<u>Row-100(0-4)-100719</u>	<u>10/7/19</u>	<u>1215</u>													
<u>13</u>		<u>Row-91(0-4)-100719</u>		<u>0150</u>													
<u>14</u>		<u>Row-91(4-10)-100719</u>		<u>0200</u>													
<u>15</u>		<u>Row-91(10-16)-100719</u>		<u>0210</u>													
<u>16</u>		<u>Row-91(16-22)-100719</u>		<u>0220</u>													
<u>17</u>		<u>Row-91(22-30)-100719</u>		<u>0230</u>													
<u>18</u>		<u>Row-97(0-4)-100719</u>		<u>0330</u>													
<u>19</u>		<u>Row-97(4-8)-100719</u>		<u>0335</u>													
<u>20</u>		<u>Row-97(4-8)-100719</u>		<u>0335</u>													

Turnaround Time Required (Business Days): 7 Days  
 Requested Due Date: \_\_\_\_\_  
 Sample Disposal:  Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months  
 (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>WS</u> Date: <u>10/7/19</u> Time: <u>1400</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/7/19</u> Time: <u>1400</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/7/19</u> Time: <u>1500</u>	Received By: <u>[Signature]</u> Company: <u>TA-CHS</u> Date: <u>10/7/19</u> Time: <u>1500</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: \_\_\_\_\_

## ANALYTICAL REPORT

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

Laboratory Job ID: 500-171328-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
10/21/2019 11:51:05 AM

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

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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

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

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

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-98(0-4)-100719**

**Lab Sample ID: 500-171328-1**

**Date Collected: 10/07/19 03:00**

**Matrix: Solid**

**Date Received: 10/07/19 15:00**

**Percent Solids: 85.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
1,1-Dichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Acetone	<0.016		0.016	0.0068	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Bromoform	<0.0016		0.0016	0.00045	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Chlorobenzene	<0.0016		0.0016	0.00057	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Chloroethane	<0.0039 *		0.0039	0.0011	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00043	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Ethylbenzene	<0.0016		0.0016	0.00074	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
methyl isobutyl ketone	<0.0039		0.0039	0.0011	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	10/07/19 15:50	10/15/19 14:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	10/07/19 15:50	10/15/19 14:14	1
4-Bromofluorobenzene (Surr)	107		75 - 131	10/07/19 15:50	10/15/19 14:14	1
Dibromofluoromethane	97		75 - 126	10/07/19 15:50	10/15/19 14:14	1
Toluene-d8 (Surr)	98		75 - 124	10/07/19 15:50	10/15/19 14:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-98(0-4)-100719**

**Lab Sample ID: 500-171328-1**

Date Collected: 10/07/19 03:00

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
<b>2-Methylnaphthalene</b>	<b>0.037</b>	<b>J B</b>	0.075	0.0069	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
<b>Acenaphthene</b>	<b>0.023</b>	<b>J B</b>	0.037	0.0067	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
<b>Acenaphthylene</b>	<b>0.020</b>	<b>J B</b>	0.037	0.0049	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
<b>Anthracene</b>	<b>0.046</b>	<b>B</b>	0.037	0.0062	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
<b>Benzo[a]anthracene</b>	<b>0.18</b>	<b>B</b>	0.037	0.0050	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
<b>Benzo[a]pyrene</b>	<b>0.19</b>	<b>B</b>	0.037	0.0072	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
<b>Benzo[b]fluoranthene</b>	<b>0.21</b>	<b>B</b>	0.037	0.0081	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
<b>Benzo[g,h,i]perylene</b>	<b>0.076</b>		0.037	0.012	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
<b>Benzo[k]fluoranthene</b>	<b>0.093</b>		0.037	0.011	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
<b>Chrysene</b>	<b>0.17</b>	<b>B</b>	0.037	0.010	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
<b>Dibenz(a,h)anthracene</b>	<b>0.022</b>	<b>J B</b>	0.037	0.0072	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
<b>Fluoranthene</b>	<b>0.32</b>	<b>B</b>	0.037	0.0069	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
<b>Fluorene</b>	<b>0.020</b>	<b>J B</b>	0.037	0.0052	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-98(0-4)-100719**

**Lab Sample ID: 500-171328-1**

Date Collected: 10/07/19 03:00

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.070</b>	<b>B</b>	0.037	0.0097	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.046	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
<b>Phenanthrene</b>	<b>0.28</b>	<b>B</b>	0.037	0.0052	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
<b>Pyrene</b>	<b>0.30</b>	<b>B</b>	0.037	0.0074	mg/Kg	☼	10/14/19 07:56	10/14/19 16:46	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	51		31 - 143				10/14/19 07:56	10/14/19 16:46	1
<i>2-Fluorobiphenyl</i>	74		43 - 145				10/14/19 07:56	10/14/19 16:46	1
<i>2-Fluorophenol</i>	89		31 - 166				10/14/19 07:56	10/14/19 16:46	1
<i>Nitrobenzene-d5</i>	75		37 - 147				10/14/19 07:56	10/14/19 16:46	1
<i>Phenol-d5</i>	107		30 - 153				10/14/19 07:56	10/14/19 16:46	1
<i>Terphenyl-d14</i>	81		42 - 157				10/14/19 07:56	10/14/19 16:46	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/19 08:23	10/15/19 21:25	1
<b>Barium</b>	<b>0.50</b>		0.50	0.050	mg/L		10/14/19 08:23	10/15/19 21:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:23	10/15/19 21:25	1
<b>Cadmium</b>	<b>0.0032</b>	<b>J</b>	0.0050	0.0020	mg/L		10/14/19 08:23	10/15/19 21:25	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:25	1
<b>Cobalt</b>	<b>0.035</b>		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:25	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:25	1
<b>Iron</b>	<b>0.20</b>	<b>J</b>	0.40	0.20	mg/L		10/14/19 08:23	10/15/19 21:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:23	10/15/19 21:25	1
<b>Manganese</b>	<b>2.2</b>		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:25	1
<b>Nickel</b>	<b>0.084</b>		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:25	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:23	10/16/19 13:02	1
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:25	1
<b>Zinc</b>	<b>0.049</b>	<b>J B</b>	0.50	0.020	mg/L		10/14/19 08:23	10/15/19 21:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/12/19 16:54	10/15/19 01:50	1
Barium	<0.50		0.50	0.050	mg/L		10/12/19 16:54	10/15/19 01:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:54	10/15/19 01:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:54	10/15/19 01:50	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 01:50	1
Cobalt	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 01:50	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 01:50	1
<b>Iron</b>	<b>0.59</b>		0.40	0.20	mg/L		10/12/19 16:54	10/15/19 01:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:54	10/15/19 01:50	1
<b>Manganese</b>	<b>0.016</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:54	10/15/19 01:50	1
Nickel	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 01:50	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:54	10/16/19 12:45	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-98(0-4)-100719**

**Lab Sample ID: 500-171328-1**

Date Collected: 10/07/19 03:00

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 01:50	1
Zinc	<0.50		0.50	0.020	mg/L		10/12/19 16:54	10/15/19 01:50	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.52	J B	1.2	0.23	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Arsenic	7.5		0.58	0.20	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Barium	41		0.58	0.066	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Beryllium	0.85		0.23	0.054	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Cadmium	0.15	B	0.12	0.021	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Calcium	44000	B	120	20	mg/Kg	☼	10/15/19 09:38	10/17/19 13:13	10
Chromium	19		0.58	0.29	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Cobalt	15		0.29	0.076	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Copper	32		0.58	0.16	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Iron	20000		12	6.0	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Lead	18		0.29	0.13	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Magnesium	19000		5.8	2.9	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Manganese	300		0.58	0.084	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Nickel	38		0.58	0.17	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Potassium	4600		29	10	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	10/15/19 09:38	10/17/19 13:09	1
Silver	2.7		0.29	0.075	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Sodium	370		58	8.6	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Thallium	1.5		0.58	0.29	mg/Kg	☼	10/15/19 09:38	10/17/19 13:09	1
Vanadium	24		0.29	0.068	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1
Zinc	65		1.2	0.51	mg/Kg	☼	10/15/19 09:38	10/16/19 17:32	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 10:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/14/19 11:15	10/15/19 08:54	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.018	0.0059	mg/Kg	☼	10/10/19 15:20	10/11/19 08:07	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/09/19 14:47	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-98(4-7)-100719**

**Lab Sample ID: 500-171328-2**

**Date Collected: 10/07/19 03:10**

**Matrix: Solid**

**Date Received: 10/07/19 15:00**

**Percent Solids: 80.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Acetone	<0.017		0.017	0.0076	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Benzene	<0.0017		0.0017	0.00045	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Bromodichloromethane	<0.0017		0.0017	0.00036	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Carbon tetrachloride	<0.0017		0.0017	0.00051	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Chloroethane	<0.0044 *		0.0044	0.0013	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Chloroform	<0.0017		0.0017	0.00061	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00053	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Ethylbenzene	<0.0017		0.0017	0.00084	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Styrene	<0.0017		0.0017	0.00053	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/07/19 15:50	10/15/19 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	10/07/19 15:50	10/15/19 14:39	1
4-Bromofluorobenzene (Surr)	93		75 - 131	10/07/19 15:50	10/15/19 14:39	1
Dibromofluoromethane	99		75 - 126	10/07/19 15:50	10/15/19 14:39	1
Toluene-d8 (Surr)	98		75 - 124	10/07/19 15:50	10/15/19 14:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-98(4-7)-100719**

**Lab Sample ID: 500-171328-2**

Date Collected: 10/07/19 03:10

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
<b>2-Methylnaphthalene</b>	<b>0.043</b>	<b>J B</b>	0.079	0.0072	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
<b>Acenaphthene</b>	<b>0.015</b>	<b>J B</b>	0.039	0.0070	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
<b>Benzo[g,h,i]perylene</b>	<b>0.020</b>	<b>J</b>	0.039	0.013	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
<b>Chrysene</b>	<b>0.031</b>	<b>J B</b>	0.039	0.011	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
<b>Fluorene</b>	<b>0.0097</b>	<b>J B</b>	0.039	0.0055	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-98(4-7)-100719**

**Lab Sample ID: 500-171328-2**

Date Collected: 10/07/19 03:10

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Pentachlorophenol	<0.79		0.79	0.62	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
<b>Phenanthrene</b>	<b>0.14</b>	<b>B</b>	0.039	0.0054	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1
<b>Pyrene</b>	<b>0.026</b>	<b>J B</b>	0.039	0.0077	mg/Kg	☼	10/14/19 07:56	10/14/19 17:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	57		31 - 143	10/14/19 07:56	10/14/19 17:11	1
2-Fluorobiphenyl	80		43 - 145	10/14/19 07:56	10/14/19 17:11	1
2-Fluorophenol	95		31 - 166	10/14/19 07:56	10/14/19 17:11	1
Nitrobenzene-d5	77		37 - 147	10/14/19 07:56	10/14/19 17:11	1
Phenol-d5	121		30 - 153	10/14/19 07:56	10/14/19 17:11	1
Terphenyl-d14	100		42 - 157	10/14/19 07:56	10/14/19 17:11	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.011</b>	<b>J</b>	0.050	0.010	mg/L		10/14/19 08:23	10/15/19 21:29	1
<b>Barium</b>	<b>0.46</b>	<b>J</b>	0.50	0.050	mg/L		10/14/19 08:23	10/15/19 21:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:23	10/15/19 21:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:23	10/15/19 21:29	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:29	1
<b>Cobalt</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:29	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:29	1
<b>Iron</b>	<b>0.20</b>	<b>J</b>	0.40	0.20	mg/L		10/14/19 08:23	10/15/19 21:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:23	10/15/19 21:29	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:29	1
<b>Nickel</b>	<b>0.051</b>		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:29	1
<b>Selenium</b>	<b>0.024</b>	<b>J</b>	0.050	0.020	mg/L		10/14/19 08:23	10/16/19 13:06	1
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:29	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/19 08:23	10/15/19 21:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/12/19 16:54	10/15/19 01:54	1
Barium	<0.50		0.50	0.050	mg/L		10/12/19 16:54	10/15/19 01:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:54	10/15/19 01:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:54	10/15/19 01:54	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 01:54	1
Cobalt	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 01:54	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 01:54	1
<b>Iron</b>	<b>0.23</b>	<b>J</b>	0.40	0.20	mg/L		10/12/19 16:54	10/15/19 01:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:54	10/15/19 01:54	1
<b>Manganese</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:54	10/15/19 01:54	1
Nickel	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 01:54	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:54	10/16/19 12:49	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-98(4-7)-100719**

**Lab Sample ID: 500-171328-2**

Date Collected: 10/07/19 03:10

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 01:54	1
Zinc	0.036	J	0.50	0.020	mg/L		10/12/19 16:54	10/15/19 01:54	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.58	J B	1.1	0.22	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Arsenic	6.9		0.57	0.20	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Barium	39		0.57	0.066	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Beryllium	0.84		0.23	0.054	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Cadmium	0.090	J B	0.11	0.021	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Calcium	47000	B	110	19	mg/Kg	☼	10/15/19 09:38	10/17/19 13:21	10
Chromium	18		0.57	0.28	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Cobalt	14		0.29	0.075	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Copper	31		0.57	0.16	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Iron	20000		11	6.0	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Lead	14		0.29	0.13	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Magnesium	20000		5.7	2.9	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Manganese	310		0.57	0.083	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Nickel	37		0.57	0.17	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Potassium	4300		29	10	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Selenium	<0.57		0.57	0.34	mg/Kg	☼	10/15/19 09:38	10/17/19 13:17	1
Silver	2.7		0.29	0.074	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Sodium	380		57	8.5	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Thallium	1.5		0.57	0.29	mg/Kg	☼	10/15/19 09:38	10/17/19 13:17	1
Vanadium	24		0.29	0.068	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1
Zinc	53		1.1	0.50	mg/Kg	☼	10/15/19 09:38	10/16/19 17:36	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 10:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/14/19 11:15	10/15/19 08:55	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.019	0.0063	mg/Kg	☼	10/10/19 15:20	10/11/19 08:09	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/09/19 14:47	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-57(5-10)-100719**

**Lab Sample ID: 500-171328-7**

**Date Collected: 10/07/19 03:00**

**Matrix: Solid**

**Date Received: 10/07/19 15:00**

**Percent Solids: 80.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Acetone	<0.018		0.018	0.0078	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Chloroethane	<0.0045 *		0.0045	0.0013	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	10/07/19 15:50	10/15/19 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/07/19 15:50	10/15/19 16:25	1
4-Bromofluorobenzene (Surr)	93		75 - 131	10/07/19 15:50	10/15/19 16:25	1
Dibromofluoromethane	99		75 - 126	10/07/19 15:50	10/15/19 16:25	1
Toluene-d8 (Surr)	97		75 - 124	10/07/19 15:50	10/15/19 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-57(5-10)-100719**

**Lab Sample ID: 500-171328-7**

**Date Collected: 10/07/19 03:00**

**Matrix: Solid**

**Date Received: 10/07/19 15:00**

**Percent Solids: 80.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
<b>2-Methylnaphthalene</b>	<b>0.076</b>	<b>J B</b>	0.079	0.0072	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
<b>Acenaphthene</b>	<b>0.017</b>	<b>J B</b>	0.039	0.0070	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
<b>Benzo[g,h,i]perylene</b>	<b>0.022</b>	<b>J</b>	0.039	0.013	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
<b>Chrysene</b>	<b>0.033</b>	<b>J B</b>	0.039	0.011	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
<b>Fluoranthene</b>	<b>0.0080</b>	<b>J B</b>	0.039	0.0073	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
<b>Fluorene</b>	<b>0.013</b>	<b>J B</b>	0.039	0.0055	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-57(5-10)-100719**

**Lab Sample ID: 500-171328-7**

Date Collected: 10/07/19 03:00

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.7

**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	<0.039		0.039	0.010	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
<b>Phenanthrene</b>	<b>0.16</b>	<b>B</b>	0.039	0.0055	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
<b>Pyrene</b>	<b>0.032</b>	<b>J B</b>	0.039	0.0078	mg/Kg	☼	10/14/19 07:56	10/14/19 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	56		31 - 143				10/14/19 07:56	10/14/19 19:16	1
2-Fluorobiphenyl	86		43 - 145				10/14/19 07:56	10/14/19 19:16	1
2-Fluorophenol	106		31 - 166				10/14/19 07:56	10/14/19 19:16	1
Nitrobenzene-d5	85		37 - 147				10/14/19 07:56	10/14/19 19:16	1
Phenol-d5	125		30 - 153				10/14/19 07:56	10/14/19 19:16	1
Terphenyl-d14	102		42 - 157				10/14/19 07:56	10/14/19 19:16	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.013</b>	<b>J</b>	0.050	0.010	mg/L		10/14/19 08:23	10/15/19 21:59	1
<b>Barium</b>	<b>0.60</b>		0.50	0.050	mg/L		10/14/19 08:23	10/15/19 21:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:23	10/15/19 21:59	1
<b>Cadmium</b>	<b>0.0022</b>	<b>J</b>	0.0050	0.0020	mg/L		10/14/19 08:23	10/15/19 21:59	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:59	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:59	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:59	1
<b>Iron</b>	<b>0.20</b>	<b>J</b>	0.40	0.20	mg/L		10/14/19 08:23	10/15/19 21:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:23	10/15/19 21:59	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:59	1
<b>Nickel</b>	<b>0.039</b>		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:59	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:23	10/16/19 13:35	1
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 21:59	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/19 08:23	10/15/19 21:59	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		10/12/19 16:54	10/15/19 02:22	1
Barium	<0.50		0.50	0.050	mg/L		10/12/19 16:54	10/15/19 02:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:54	10/15/19 02:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:54	10/15/19 02:22	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:22	1
Cobalt	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:22	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:22	1
<b>Iron</b>	<b>1.4</b>		0.40	0.20	mg/L		10/12/19 16:54	10/15/19 02:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:54	10/15/19 02:22	1
<b>Manganese</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:22	1
Nickel	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:22	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:54	10/15/19 02:22	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-57(5-10)-100719**

**Lab Sample ID: 500-171328-7**

Date Collected: 10/07/19 03:00

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.7

**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		10/12/19 16:54	10/15/19 02:22	1
Zinc	<0.50		0.50	0.020	mg/L		10/12/19 16:54	10/15/19 02:22	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.69	J B	1.1	0.22	mg/Kg	☼	10/15/19 09:38	10/17/19 14:05	1
Arsenic	7.5		0.57	0.20	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1
Barium	41		0.57	0.065	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1
Beryllium	0.78		0.23	0.054	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1
Cadmium	0.11	B	0.11	0.021	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1
Calcium	59000	B	110	19	mg/Kg	☼	10/15/19 09:38	10/17/19 14:09	10
Chromium	17		0.57	0.28	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1
Cobalt	14		0.29	0.075	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1
Copper	27		0.57	0.16	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1
Iron	20000		11	6.0	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1
Lead	13		0.29	0.13	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1
Magnesium	22000		5.7	2.8	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1
Manganese	310		0.57	0.083	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1
Nickel	35		0.57	0.17	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1
Potassium	3900		29	10	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1
Selenium	<0.57		0.57	0.34	mg/Kg	☼	10/15/19 09:38	10/17/19 14:05	1
Silver	2.6		0.29	0.074	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1
Sodium	310		57	8.5	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1
Thallium	1.6		0.57	0.29	mg/Kg	☼	10/15/19 09:38	10/17/19 14:05	1
Vanadium	22		0.29	0.068	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1
Zinc	57		1.1	0.50	mg/Kg	☼	10/15/19 09:38	10/16/19 18:04	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 10:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/14/19 11:15	10/15/19 09:03	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018		0.018	0.0061	mg/Kg	☼	10/10/19 15:20	10/11/19 08:24	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.2	0.2	SU			10/09/19 14:47	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-57(10-15)-100719**

**Lab Sample ID: 500-171328-8**

**Date Collected: 10/07/19 03:10**

**Matrix: Solid**

**Date Received: 10/07/19 15:00**

**Percent Solids: 79.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Chloroethane	<0.0043 *		0.0043	0.0013	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1
Xylenes, Total	<0.0035		0.0035	0.00055	mg/Kg	☼	10/07/19 15:50	10/15/19 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	10/07/19 15:50	10/15/19 16:52	1
4-Bromofluorobenzene (Surr)	91		75 - 131	10/07/19 15:50	10/15/19 16:52	1
Dibromofluoromethane	97		75 - 126	10/07/19 15:50	10/15/19 16:52	1
Toluene-d8 (Surr)	97		75 - 124	10/07/19 15:50	10/15/19 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-57(10-15)-100719**

**Lab Sample ID: 500-171328-8**

**Date Collected: 10/07/19 03:10**

**Matrix: Solid**

**Date Received: 10/07/19 15:00**

**Percent Solids: 79.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
<b>2-Methylnaphthalene</b>	<b>0.075</b>	<b>J B</b>	0.081	0.0074	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
<b>Benzo[g,h,i]perylene</b>	<b>0.023</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
<b>Chrysene</b>	<b>0.038</b>	<b>J B</b>	0.040	0.011	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
<b>Fluoranthene</b>	<b>0.0080</b>	<b>J B</b>	0.040	0.0075	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
<b>Fluorene</b>	<b>0.011</b>	<b>J B</b>	0.040	0.0057	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Hexachlorobenzene	<0.081		0.081	0.0094	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-57(10-15)-100719**

**Lab Sample ID: 500-171328-8**

**Date Collected: 10/07/19 03:10**

**Matrix: Solid**

**Date Received: 10/07/19 15:00**

**Percent Solids: 79.2**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
<b>Phenanthrene</b>	<b>0.15</b>	<b>B</b>	0.040	0.0056	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
<b>Pyrene</b>	<b>0.031</b>	<b>J B</b>	0.040	0.0080	mg/Kg	☼	10/14/19 07:56	10/14/19 19:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	40		31 - 143				10/14/19 07:56	10/14/19 19:41	1
2-Fluorobiphenyl	79		43 - 145				10/14/19 07:56	10/14/19 19:41	1
2-Fluorophenol	102		31 - 166				10/14/19 07:56	10/14/19 19:41	1
Nitrobenzene-d5	74		37 - 147				10/14/19 07:56	10/14/19 19:41	1
Phenol-d5	125		30 - 153				10/14/19 07:56	10/14/19 19:41	1
Terphenyl-d14	93		42 - 157				10/14/19 07:56	10/14/19 19:41	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.012</b>	<b>J</b>	0.050	0.010	mg/L		10/14/19 08:23	10/15/19 22:03	1
<b>Barium</b>	<b>0.56</b>		0.50	0.050	mg/L		10/14/19 08:23	10/15/19 22:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:23	10/15/19 22:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:23	10/15/19 22:03	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:03	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:03	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:03	1
Iron	<0.40		0.40	0.20	mg/L		10/14/19 08:23	10/15/19 22:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:23	10/15/19 22:03	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:03	1
<b>Nickel</b>	<b>0.037</b>		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:03	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:23	10/16/19 13:39	1
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:03	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/19 08:23	10/15/19 22:03	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		10/12/19 16:54	10/15/19 02:27	1
<b>Barium</b>	<b>0.079</b>	<b>J</b>	0.50	0.050	mg/L		10/12/19 16:54	10/15/19 02:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:54	10/15/19 02:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:54	10/15/19 02:27	1
<b>Chromium</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:27	1
Cobalt	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:27	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:27	1
<b>Iron</b>	<b>6.1</b>		0.40	0.20	mg/L		10/12/19 16:54	10/15/19 02:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:54	10/15/19 02:27	1
<b>Manganese</b>	<b>0.075</b>		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:27	1
Nickel	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:54	10/15/19 02:27	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-57(10-15)-100719**

**Lab Sample ID: 500-171328-8**

Date Collected: 10/07/19 03:10

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 79.2

**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		10/12/19 16:54	10/15/19 02:27	1
Zinc	0.027	J	0.50	0.020	mg/L		10/12/19 16:54	10/15/19 02:27	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.81	J B	1.2	0.23	mg/Kg	☼	10/15/19 09:38	10/17/19 14:13	1
Arsenic	6.7		0.60	0.21	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1
Barium	40		0.60	0.068	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1
Beryllium	0.74		0.24	0.056	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1
Cadmium	0.15	B	0.12	0.022	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1
Calcium	49000	B	120	20	mg/Kg	☼	10/15/19 09:38	10/17/19 14:18	10
Chromium	17		0.60	0.30	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1
Cobalt	16		0.30	0.079	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1
Copper	42		0.60	0.17	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1
Iron	20000		12	6.2	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1
Lead	12		0.30	0.14	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1
Magnesium	20000		6.0	3.0	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1
Manganese	300		0.60	0.087	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1
Nickel	38		0.60	0.17	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1
Potassium	3600		30	11	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1
Selenium	<0.60		0.60	0.35	mg/Kg	☼	10/15/19 09:38	10/17/19 14:13	1
Silver	2.5		0.30	0.077	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1
Sodium	280		60	8.9	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1
Thallium	1.5		0.60	0.30	mg/Kg	☼	10/15/19 09:38	10/17/19 14:13	1
Vanadium	24		0.30	0.071	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1
Zinc	68		1.2	0.53	mg/Kg	☼	10/15/19 09:38	10/16/19 18:08	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/14/19 11:15	10/15/19 09:12	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.020	0.0067	mg/Kg	☼	10/10/19 15:20	10/11/19 08:26	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.2	0.2	SU			10/09/19 14:47	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-53(5-10)-100719**

**Lab Sample ID: 500-171328-13**

Date Collected: 10/07/19 03:45

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Acetone	<0.016		0.016	0.0071	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Carbon disulfide	<0.0041		0.0041	0.00085	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Chloroethane	<0.0041 *		0.0041	0.0012	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1
Xylenes, Total	<0.0033		0.0033	0.00052	mg/Kg	☼	10/07/19 15:50	10/15/19 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	10/07/19 15:50	10/15/19 20:21	1
4-Bromofluorobenzene (Surr)	93		75 - 131	10/07/19 15:50	10/15/19 20:21	1
Dibromofluoromethane	99		75 - 126	10/07/19 15:50	10/15/19 20:21	1
Toluene-d8 (Surr)	98		75 - 124	10/07/19 15:50	10/15/19 20:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-53(5-10)-100719**

**Lab Sample ID: 500-171328-13**

Date Collected: 10/07/19 03:45

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
<b>2-Methylnaphthalene</b>	<b>0.070</b>	<b>J B</b>	0.077	0.0070	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
<b>Acenaphthene</b>	<b>0.017</b>	<b>J B</b>	0.038	0.0069	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
<b>Benzo[g,h,i]perylene</b>	<b>0.020</b>	<b>J</b>	0.038	0.012	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
<b>Chrysene</b>	<b>0.039</b>	<b>B</b>	0.038	0.010	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
<b>Fluoranthene</b>	<b>0.012</b>	<b>J B</b>	0.038	0.0071	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
<b>Fluorene</b>	<b>0.011</b>	<b>J B</b>	0.038	0.0054	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-53(5-10)-100719**

**Lab Sample ID: 500-171328-13**

Date Collected: 10/07/19 03:45

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 81.8

**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	<0.038		0.038	0.0099	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
<b>Phenanthrene</b>	<b>0.16</b>	<b>B</b>	0.038	0.0053	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
<b>Pyrene</b>	<b>0.036</b>	<b>J B</b>	0.038	0.0076	mg/Kg	☼	10/14/19 07:56	10/14/19 21:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	50		31 - 143				10/14/19 07:56	10/14/19 21:45	1
2-Fluorobiphenyl	87		43 - 145				10/14/19 07:56	10/14/19 21:45	1
2-Fluorophenol	101		31 - 166				10/14/19 07:56	10/14/19 21:45	1
Nitrobenzene-d5	85		37 - 147				10/14/19 07:56	10/14/19 21:45	1
Phenol-d5	119		30 - 153				10/14/19 07:56	10/14/19 21:45	1
Terphenyl-d14	115		42 - 157				10/14/19 07:56	10/14/19 21:45	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		10/14/19 08:23	10/15/19 22:24	1
<b>Barium</b>	<b>0.55</b>		0.50	0.050	mg/L		10/14/19 08:23	10/15/19 22:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:23	10/15/19 22:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:23	10/15/19 22:24	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:24	1
<b>Cobalt</b>	<b>0.016</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:24	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:24	1
Iron	<0.40		0.40	0.20	mg/L		10/14/19 08:23	10/15/19 22:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:23	10/15/19 22:24	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:24	1
<b>Nickel</b>	<b>0.047</b>		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:24	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:23	10/16/19 14:00	1
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:24	1
<b>Zinc</b>	<b>0.027</b>	<b>J B</b>	0.50	0.020	mg/L		10/14/19 08:23	10/15/19 22:24	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		10/12/19 16:54	10/15/19 02:55	1
Barium	<0.50		0.50	0.050	mg/L		10/12/19 16:54	10/15/19 02:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:54	10/15/19 02:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:54	10/15/19 02:55	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:55	1
Cobalt	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:55	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:55	1
<b>Iron</b>	<b>0.57</b>		0.40	0.20	mg/L		10/12/19 16:54	10/15/19 02:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:54	10/15/19 02:55	1
<b>Manganese</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:55	1
Nickel	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:55	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:54	10/15/19 02:55	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-53(5-10)-100719**

**Lab Sample ID: 500-171328-13**

Date Collected: 10/07/19 03:45

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 81.8

**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		10/12/19 16:54	10/15/19 02:55	1
<b>Zinc</b>	<b>0.022</b>	<b>J</b>	0.50	0.020	mg/L		10/12/19 16:54	10/15/19 02:55	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.75</b>	<b>J B</b>	1.2	0.23	mg/Kg	☼	10/15/19 09:38	10/17/19 15:02	1
<b>Arsenic</b>	<b>6.9</b>		0.58	0.20	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1
<b>Barium</b>	<b>36</b>		0.58	0.066	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1
<b>Beryllium</b>	<b>0.74</b>		0.23	0.054	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1
<b>Cadmium</b>	<b>0.11</b>	<b>J B</b>	0.12	0.021	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1
<b>Calcium</b>	<b>66000</b>	<b>B</b>	120	20	mg/Kg	☼	10/15/19 09:38	10/17/19 15:06	10
<b>Chromium</b>	<b>16</b>		0.58	0.29	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1
<b>Cobalt</b>	<b>13</b>		0.29	0.076	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1
<b>Copper</b>	<b>30</b>		0.58	0.16	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1
<b>Iron</b>	<b>19000</b>		12	6.0	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1
<b>Lead</b>	<b>13</b>		0.29	0.13	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1
<b>Magnesium</b>	<b>28000</b>		5.8	2.9	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1
<b>Manganese</b>	<b>340</b>		0.58	0.084	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1
<b>Nickel</b>	<b>33</b>		0.58	0.17	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1
<b>Potassium</b>	<b>3600</b>		29	10	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	10/15/19 09:38	10/17/19 15:02	1
<b>Silver</b>	<b>2.4</b>		0.29	0.075	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1
<b>Sodium</b>	<b>820</b>		58	8.6	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1
<b>Thallium</b>	<b>1.4</b>		0.58	0.29	mg/Kg	☼	10/15/19 09:38	10/17/19 15:02	1
<b>Vanadium</b>	<b>20</b>		0.29	0.068	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1
<b>Zinc</b>	<b>48</b>		1.2	0.51	mg/Kg	☼	10/15/19 09:38	10/16/19 18:37	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/14/19 11:15	10/15/19 09:20	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.019</b>		0.018	0.0061	mg/Kg	☼	10/10/19 15:20	10/11/19 08:48	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.2</b>		0.2	0.2	SU			10/09/19 15:53	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-53(10-15)-100719**

**Lab Sample ID: 500-171328-14**

Date Collected: 10/07/19 03:55

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Acetone	<0.017		0.017	0.0074	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Chloroethane	<0.0042 *		0.0042	0.0013	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/07/19 15:50	10/15/19 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	10/07/19 15:50	10/15/19 19:04	1
4-Bromofluorobenzene (Surr)	89		75 - 131	10/07/19 15:50	10/15/19 19:04	1
Dibromofluoromethane	98		75 - 126	10/07/19 15:50	10/15/19 19:04	1
Toluene-d8 (Surr)	96		75 - 124	10/07/19 15:50	10/15/19 19:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
1,4-Dichlorobenzene	<0.21		0.21	0.052	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

Client Sample ID: ROW-53(10-15)-100719

Lab Sample ID: 500-171328-14

Date Collected: 10/07/19 03:55

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.093	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
2,6-Dinitrotoluene	<0.21		0.21	0.080	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
<b>2-Methylnaphthalene</b>	<b>0.077</b>	<b>J B</b>	0.083	0.0075	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
<b>Acenaphthene</b>	<b>0.018</b>	<b>J B</b>	0.041	0.0074	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Anthracene	<0.041		0.041	0.0068	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Benzo[a]pyrene	<0.041		0.041	0.0079	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Benzo[b]fluoranthene	<0.041		0.041	0.0088	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
<b>Benzo[g,h,i]perylene</b>	<b>0.023</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
<b>Chrysene</b>	<b>0.036</b>	<b>J B</b>	0.041	0.011	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Dimethyl phthalate	<0.21		0.21	0.053	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
<b>Fluorene</b>	<b>0.012</b>	<b>J B</b>	0.041	0.0058	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-53(10-15)-100719**

**Lab Sample ID: 500-171328-14**

Date Collected: 10/07/19 03:55

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
<b>Phenanthrene</b>	<b>0.16</b>	<b>B</b>	0.041	0.0057	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Pyrene	<0.041		0.041	0.0081	mg/Kg	☼	10/14/19 07:56	10/14/19 22:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	49		31 - 143				10/14/19 07:56	10/14/19 22:10	1
2-Fluorobiphenyl	84		43 - 145				10/14/19 07:56	10/14/19 22:10	1
2-Fluorophenol	111		31 - 166				10/14/19 07:56	10/14/19 22:10	1
Nitrobenzene-d5	78		37 - 147				10/14/19 07:56	10/14/19 22:10	1
Phenol-d5	117		30 - 153				10/14/19 07:56	10/14/19 22:10	1
Terphenyl-d14	110		42 - 157				10/14/19 07:56	10/14/19 22:10	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/19 08:23	10/15/19 22:29	1
<b>Barium</b>	<b>0.56</b>		0.50	0.050	mg/L		10/14/19 08:23	10/15/19 22:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:23	10/15/19 22:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:23	10/15/19 22:29	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:29	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:29	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:29	1
Iron	<0.40		0.40	0.20	mg/L		10/14/19 08:23	10/15/19 22:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:23	10/15/19 22:29	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:29	1
<b>Nickel</b>	<b>0.044</b>		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:29	1
Selenium	<0.050	^	0.050	0.020	mg/L		10/14/19 08:23	10/16/19 14:13	1
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:23	10/15/19 22:29	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/19 08:23	10/15/19 22:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/12/19 16:54	10/15/19 02:59	1
Barium	<0.50		0.50	0.050	mg/L		10/12/19 16:54	10/15/19 02:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/12/19 16:54	10/15/19 02:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/12/19 16:54	10/15/19 02:59	1
Chromium	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:59	1
Cobalt	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:59	1
Copper	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:59	1
<b>Iron</b>	<b>1.1</b>		0.40	0.20	mg/L		10/12/19 16:54	10/15/19 02:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/12/19 16:54	10/15/19 02:59	1
<b>Manganese</b>	<b>0.024</b>	<b>J</b>	0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:59	1
Nickel	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:59	1
Selenium	<0.050		0.050	0.020	mg/L		10/12/19 16:54	10/15/19 02:59	1

Eurolins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

**Client Sample ID: ROW-53(10-15)-100719**

**Lab Sample ID: 500-171328-14**

Date Collected: 10/07/19 03:55

Matrix: Solid

Date Received: 10/07/19 15:00

Percent Solids: 80.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/12/19 16:54	10/15/19 02:59	1
Zinc	<0.50		0.50	0.020	mg/L		10/12/19 16:54	10/15/19 02:59	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.67	J B F1	1.2	0.23	mg/Kg	☼	10/15/19 09:38	10/17/19 15:10	1
Arsenic	6.4		0.58	0.20	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1
Barium	43		0.58	0.067	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1
Beryllium	0.83		0.23	0.055	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1
Cadmium	0.080	J B	0.12	0.021	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1
Calcium	55000	B	120	20	mg/Kg	☼	10/15/19 09:38	10/17/19 15:22	10
Chromium	18		0.58	0.29	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1
Cobalt	13		0.29	0.077	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1
Copper	25		0.58	0.16	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1
Iron	20000		12	6.1	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1
Lead	11		0.29	0.13	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1
Magnesium	22000		5.8	2.9	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1
Manganese	330		0.58	0.085	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1
Nickel	33		0.58	0.17	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1
Potassium	4200		29	10	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1
Selenium	<0.58	F1	0.58	0.34	mg/Kg	☼	10/15/19 09:38	10/17/19 15:10	1
Silver	2.8		0.29	0.075	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1
Sodium	270		58	8.6	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1
Thallium	1.6	F2	0.58	0.29	mg/Kg	☼	10/15/19 09:38	10/17/19 15:10	1
Vanadium	23		0.29	0.069	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1
Zinc	51		1.2	0.51	mg/Kg	☼	10/15/19 09:38	10/16/19 18:41	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/11/19 10:25	10/14/19 13:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/14/19 11:15	10/15/19 09:22	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.021	0.0069	mg/Kg	☼	10/10/19 15:20	10/11/19 08:50	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/09/19 15:53	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171328-1

## Qualifiers

### GC/MS 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.

### GC/MS Semi VOA

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

### 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 - Circle Interchange-WO 003

Job ID: 500-171328-1

## 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	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 60  
Phone: 708.534.5200 Fax: 708.534



500-171328 COC

Report To (optional)  
Contact: Andrius Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

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

## Chain of Custody Record

Lab Job #: 500-171328

Chain of Custody Number: \_\_\_\_\_

Page 3 of 4

Temperature °C of Cooler: 4.4, 7.3, 2.35

Client		Client Project #		Preservative		Parameter		Comments					
<u>Westan</u>		<u>02056.016.003</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 #		# of Containers		Matrix		Comments					
<u>IDOT 90/94</u>													
Project Location/State		Lab PM		Date		Time		Comments					
<u>Chicago, IL</u>													
Sampler		Lab PM		Date		Time		Comments					
<u>C. Ponce + M. Delia</u>													
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SUOCs	Total metals	TECP/SCP	metals	pH	Comments
1		<u>ROW-98(0-4)-100719</u>	<u>10/2/19</u>	<u>0300</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>	
2		<u>ROW-98(4-7)-100719</u>		<u>0310</u>									
3		<u>ROW-66(4-8)-100719</u>		<u>0210</u>									
4		<u>ROW-60(3-4)-100719</u>		<u>0220</u>									
5		<u>ROW-60(5-10)-100719</u>		<u>0225</u>									
6		<u>ROW-60(10-15)-100719</u>		<u>0240</u>									
7		<u>ROW-57(5-10)-100719</u>		<u>0300</u>									
8		<u>ROW-57(10-15)-100719</u>		<u>0310</u>									
9		<u>ROW-55(3-4)-100719</u>		<u>0320</u>									
10		<u>ROW-55(4-10)-100719</u>		<u>0325</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>US</u>	Date: <u>10/2/19</u>	Time: <u>1400</u>	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>10/17/19</u>	Time: <u>1400</u>
Relinquished By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>10/7/19</u>	Time: <u>1500</u>	Received By: <u>[Signature]</u>	Company: <u>TA-CHE</u>	Date: <u>10/7/19</u>	Time: <u>1500</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Courier: [Signature]

Shipped: \_\_\_\_\_

Hand Delivered: \_\_\_\_\_

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

Client Comments:

Lab Comments:



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)  
 Contact: Andris Stessors  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

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

## Chain of Custody Record

Lab Job #: 500-17/328  
 Chain of Custody Number: \_\_\_\_\_  
 Page 4 of 4  
 Temperature °C of Cooler: 4.0/4.3/2.35

Client		Client Project #		Preservative		Parameter												Preservative Key		
<u>Western</u>		<u>02056.016.0038</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		Project Location/State		Lab Project #		Sampler		Lab PM												
<u>IDOT 90/94</u>		<u>Chicago, IL</u>				<u>C. Percec + M. Dehrio</u>														
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SUOCs	Total Metals	TRCP/SPCP	Metals	pH							Comments	
			Date	Time																
<u>11</u>		<u>ROW-55 (10-15)-100719</u>	<u>10/7/19</u>	<u>0335</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>									
<u>12</u>		<u>ROW-55 (10-15)-100719D</u>		<u>0335</u>																
<u>13</u>		<u>ROW-53 (5-10)-100719</u>		<u>0345</u>																
<u>14</u>		<u>ROW-53 (10-15)-100719</u>		<u>0355</u>																

Turnaround Time Required (Business Days)

\_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 5 Days X 7 Days \_\_\_ 10 Days \_\_\_ 15 Days \_\_\_ Other

Requested Due Date \_\_\_\_\_

Sample Disposal

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

Relinquished By <u>[Signature]</u>	Company <u>WS</u>	Date <u>10/7/19</u>	Time <u>1400</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>10/7/19</u>	Time <u>1400</u>
Relinquished By <u>[Signature]</u>	Company <u>A</u>	Date <u>10/7/19</u>	Time <u>1500</u>	Received By <u>[Signature]</u>	Company <u>TA-CRE</u>	Date <u>10/7/19</u>	Time <u>1500</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:

## ANALYTICAL REPORT

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

Laboratory Job ID: 500-171385-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
10/21/2019 10:57:20 AM

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

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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

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

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

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-58(3-4)-100719**

**Lab Sample ID: 500-171385-4**

**Date Collected: 10/07/19 23:45**

**Matrix: Solid**

**Date Received: 10/08/19 15:00**

**Percent Solids: 85.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Acetone	<0.016		0.016	0.0068	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Chloroethane	<0.0039 *		0.0039	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	10/08/19 15:50	10/16/19 16:27	1
4-Bromofluorobenzene (Surr)	102		75 - 131	10/08/19 15:50	10/16/19 16:27	1
Dibromofluoromethane	92		75 - 126	10/08/19 15:50	10/16/19 16:27	1
Toluene-d8 (Surr)	93		75 - 124	10/08/19 15:50	10/16/19 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-58(3-4)-100719**

**Lab Sample ID: 500-171385-4**

Date Collected: 10/07/19 23:45

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
2,4-Dinitrophenol	<0.74	*	0.74	0.64	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
<b>2-Methylnaphthalene</b>	<b>0.039</b>	<b>J</b>	0.074	0.0067	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.29	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
<b>Acenaphthene</b>	<b>0.029</b>	<b>J</b>	0.036	0.0066	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
<b>Benzo[a]anthracene</b>	<b>0.012</b>	<b>J</b>	0.036	0.0049	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
<b>Benzo[a]pyrene</b>	<b>0.017</b>	<b>J</b>	0.036	0.0071	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Benzo[b]fluoranthene	<0.036		0.036	0.0079	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
<b>Benzo[g,h,i]perylene</b>	<b>0.013</b>	<b>J</b>	0.036	0.012	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
<b>Chrysene</b>	<b>0.031</b>	<b>J</b>	0.036	0.010	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0071	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
<b>Fluoranthene</b>	<b>0.021</b>	<b>J</b>	0.036	0.0068	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
<b>Fluorene</b>	<b>0.0082</b>	<b>J</b>	0.036	0.0051	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1

Eurolins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-58(3-4)-100719**

**Lab Sample ID: 500-171385-4**

**Date Collected: 10/07/19 23:45**

**Matrix: Solid**

**Date Received: 10/08/19 15:00**

**Percent Solids: 85.7**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0095	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
<b>Phenanthrene</b>	<b>0.13</b>		0.036	0.0051	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
<b>Pyrene</b>	<b>0.034</b>	<b>J</b>	0.036	0.0072	mg/Kg	☼	10/16/19 07:42	10/16/19 19:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		31 - 143				10/16/19 07:42	10/16/19 19:29	1
2-Fluorobiphenyl	91		43 - 145				10/16/19 07:42	10/16/19 19:29	1
2-Fluorophenol	81		31 - 166				10/16/19 07:42	10/16/19 19:29	1
Nitrobenzene-d5	82		37 - 147				10/16/19 07:42	10/16/19 19:29	1
Phenol-d5	88		30 - 153				10/16/19 07:42	10/16/19 19:29	1
Terphenyl-d14	82		42 - 157				10/16/19 07:42	10/16/19 19:29	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/15/19 09:03	10/16/19 09:33	1
<b>Barium</b>	<b>0.66</b>		0.50	0.050	mg/L		10/15/19 09:03	10/16/19 09:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:03	10/16/19 09:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:03	10/16/19 09:33	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:33	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:33	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:33	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:03	10/16/19 09:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:03	10/16/19 09:33	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:33	1
<b>Nickel</b>	<b>0.044</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:33	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:03	10/16/19 09:33	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:33	1
<b>Zinc</b>	<b>0.047</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:03	10/16/19 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/19 08:26	10/15/19 14:50	1
<b>Barium</b>	<b>0.14</b>	<b>J</b>	0.50	0.050	mg/L		10/14/19 08:26	10/15/19 14:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:26	10/15/19 14:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:26	10/15/19 14:50	1
<b>Chromium</b>	<b>0.031</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 14:50	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 14:50	1
<b>Copper</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:26	10/15/19 14:50	1
<b>Iron</b>	<b>18</b>		0.40	0.20	mg/L		10/14/19 08:26	10/15/19 14:50	1
<b>Lead</b>	<b>0.0085</b>		0.0075	0.0075	mg/L		10/14/19 08:26	10/15/19 14:50	1
<b>Manganese</b>	<b>0.17</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 14:50	1
<b>Nickel</b>	<b>0.026</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 14:50	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:26	10/15/19 14:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-58(3-4)-100719**

**Lab Sample ID: 500-171385-4**

Date Collected: 10/07/19 23:45

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 14:50	1
Zinc	0.043	J B	0.50	0.020	mg/L		10/14/19 08:26	10/15/19 14:50	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.50	J B	1.1	0.22	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Arsenic	7.4		0.55	0.19	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Barium	38		0.55	0.063	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Beryllium	0.62		0.22	0.052	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Cadmium	0.14	B	0.11	0.020	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Calcium	58000	B	110	19	mg/Kg	☼	10/16/19 09:49	10/18/19 13:05	10
Chromium	15		0.55	0.27	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Cobalt	14		0.28	0.073	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Copper	30		0.55	0.16	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Iron	19000		11	5.8	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Lead	13		0.28	0.13	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Magnesium	24000		5.5	2.7	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Manganese	350		0.55	0.080	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Nickel	35		0.55	0.16	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Potassium	3700		28	9.8	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Selenium	1.0	B	0.55	0.33	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Silver	2.4		0.28	0.072	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Sodium	1200		55	8.2	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Thallium	0.98		0.55	0.28	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Vanadium	20		0.28	0.065	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1
Zinc	57		1.1	0.49	mg/Kg	☼	10/16/19 09:49	10/18/19 03:42	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 08:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		10/14/19 11:15	10/15/19 10:12	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.018	0.0061	mg/Kg	☼	10/11/19 15:00	10/14/19 07:54	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.2	0.2	SU			10/09/19 15:53	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-58(4-10)-100719**

**Lab Sample ID: 500-171385-5**

**Date Collected: 10/07/19 23:50**

**Matrix: Solid**

**Date Received: 10/08/19 15:00**

**Percent Solids: 80.9**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Acetone	<0.016		0.016	0.0069	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Chloroethane	<0.0039 *		0.0039	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0018	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Methylene Chloride	<0.0039		0.0039	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1
Xylenes, Total	<0.0032		0.0032	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 16:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	10/08/19 15:50	10/16/19 16:54	1
4-Bromofluorobenzene (Surr)	102		75 - 131	10/08/19 15:50	10/16/19 16:54	1
Dibromofluoromethane	94		75 - 126	10/08/19 15:50	10/16/19 16:54	1
Toluene-d8 (Surr)	95		75 - 124	10/08/19 15:50	10/16/19 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-58(4-10)-100719**

**Lab Sample ID: 500-171385-5**

Date Collected: 10/07/19 23:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
2,4-Dinitrophenol	<0.81	*	0.81	0.71	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
<b>2-Methylnaphthalene</b>	<b>0.059</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
<b>Acenaphthene</b>	<b>0.028</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
<b>Benzo[g,h,i]perylene</b>	<b>0.014</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
<b>Chrysene</b>	<b>0.028</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
<b>Fluoranthene</b>	<b>0.0090</b>	<b>J</b>	0.040	0.0075	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
<b>Fluorene</b>	<b>0.0085</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Hexachlorobenzene	<0.081		0.081	0.0094	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1

Euofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-58(4-10)-100719**

**Lab Sample ID: 500-171385-5**

Date Collected: 10/07/19 23:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.9

**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	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
<b>Phenanthrene</b>	<b>0.13</b>		0.040	0.0056	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
<b>Pyrene</b>	<b>0.025</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/16/19 07:42	10/16/19 19:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	55		31 - 143				10/16/19 07:42	10/16/19 19:55	1
2-Fluorobiphenyl	88		43 - 145				10/16/19 07:42	10/16/19 19:55	1
2-Fluorophenol	81		31 - 166				10/16/19 07:42	10/16/19 19:55	1
Nitrobenzene-d5	78		37 - 147				10/16/19 07:42	10/16/19 19:55	1
Phenol-d5	86		30 - 153				10/16/19 07:42	10/16/19 19:55	1
Terphenyl-d14	82		42 - 157				10/16/19 07:42	10/16/19 19:55	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.010</b>	<b>J</b>	0.050	0.010	mg/L		10/15/19 09:03	10/16/19 09:37	1
<b>Barium</b>	<b>0.63</b>		0.50	0.050	mg/L		10/15/19 09:03	10/16/19 09:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:03	10/16/19 09:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:03	10/16/19 09:37	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:37	1
<b>Cobalt</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:37	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:37	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:03	10/16/19 09:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:03	10/16/19 09:37	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:37	1
<b>Nickel</b>	<b>0.038</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:37	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:03	10/16/19 09:37	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:37	1
<b>Zinc</b>	<b>0.054</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:03	10/16/19 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/19 08:26	10/15/19 14:54	1
<b>Barium</b>	<b>0.053</b>	<b>J</b>	0.50	0.050	mg/L		10/14/19 08:26	10/15/19 14:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:26	10/15/19 14:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:26	10/15/19 14:54	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 14:54	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 14:54	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 14:54	1
<b>Iron</b>	<b>2.1</b>		0.40	0.20	mg/L		10/14/19 08:26	10/15/19 14:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:26	10/15/19 14:54	1
<b>Manganese</b>	<b>0.027</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 14:54	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 14:54	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:26	10/15/19 14:54	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-58(4-10)-100719**

**Lab Sample ID: 500-171385-5**

Date Collected: 10/07/19 23:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.9

**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		10/14/19 08:26	10/15/19 14:54	1
Zinc	0.022	J B	0.50	0.020	mg/L		10/14/19 08:26	10/15/19 14:54	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.38	J B	1.1	0.22	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Arsenic	12		0.57	0.19	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Barium	35		0.57	0.065	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Beryllium	0.78		0.23	0.053	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Cadmium	0.13	B	0.11	0.020	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Calcium	47000	B	110	19	mg/Kg	☼	10/16/19 09:49	10/18/19 13:09	10
Chromium	17		0.57	0.28	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Cobalt	20		0.28	0.074	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Copper	39		0.57	0.16	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Iron	24000		11	5.9	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Lead	19		0.28	0.13	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Magnesium	21000		5.7	2.8	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Manganese	350		0.57	0.082	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Nickel	45		0.57	0.17	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Potassium	3800		28	10	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Selenium	1.1	B	0.57	0.33	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Silver	2.6		0.28	0.073	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Sodium	670		57	8.4	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Thallium	1.2		0.57	0.28	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Vanadium	22		0.28	0.067	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1
Zinc	60		1.1	0.50	mg/Kg	☼	10/16/19 09:49	10/18/19 03:46	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		10/14/19 11:15	10/15/19 10:14	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.018	0.0060	mg/Kg	☼	10/11/19 15:00	10/14/19 07:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.2	0.2	SU			10/09/19 15:53	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-58(10-15)-100719**

**Lab Sample ID: 500-171385-6**

**Date Collected: 10/07/19 23:55**

**Matrix: Solid**

**Date Received: 10/08/19 15:00**

**Percent Solids: 80.4**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
1,2-Dichloroethane	<0.0043		0.0043	0.0014	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
2-Hexanone	<0.0043		0.0043	0.0014	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Acetone	<0.017		0.017	0.0076	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Chloroethane	<0.0043 *		0.0043	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		70 - 134	10/08/19 15:50	10/16/19 17:20	1
4-Bromofluorobenzene (Surr)	99		75 - 131	10/08/19 15:50	10/16/19 17:20	1
Dibromofluoromethane	92		75 - 126	10/08/19 15:50	10/16/19 17:20	1
Toluene-d8 (Surr)	94		75 - 124	10/08/19 15:50	10/16/19 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-58(10-15)-100719**

**Lab Sample ID: 500-171385-6**

Date Collected: 10/07/19 23:55

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
2,4-Dinitrophenol	<0.81	*	0.81	0.71	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
<b>2-Methylnaphthalene</b>	<b>0.048</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
<b>Benzo[g,h,i]perylene</b>	<b>0.020</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
<b>Chrysene</b>	<b>0.025</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-58(10-15)-100719**

**Lab Sample ID: 500-171385-6**

Date Collected: 10/07/19 23:55

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
<b>Phenanthrene</b>	<b>0.085</b>		0.040	0.0056	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	10/16/19 07:42	10/17/19 13:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	47		31 - 143	10/16/19 07:42	10/17/19 13:49	1
2-Fluorobiphenyl	64		43 - 145	10/16/19 07:42	10/17/19 13:49	1
2-Fluorophenol	72		31 - 166	10/16/19 07:42	10/17/19 13:49	1
Nitrobenzene-d5	54		37 - 147	10/16/19 07:42	10/17/19 13:49	1
Phenol-d5	67		30 - 153	10/16/19 07:42	10/17/19 13:49	1
Terphenyl-d14	70		42 - 157	10/16/19 07:42	10/17/19 13:49	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.014</b>	<b>J</b>	0.050	0.010	mg/L		10/15/19 09:03	10/16/19 09:41	1
<b>Barium</b>	<b>0.59</b>		0.50	0.050	mg/L		10/15/19 09:03	10/16/19 09:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:03	10/16/19 09:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:03	10/16/19 09:41	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:41	1
Cobalt	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:41	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:41	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:03	10/16/19 09:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:03	10/16/19 09:41	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:41	1
<b>Nickel</b>	<b>0.035</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:41	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:03	10/16/19 09:41	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:41	1
<b>Zinc</b>	<b>0.020</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:03	10/16/19 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/19 08:26	10/15/19 14:58	1
<b>Barium</b>	<b>0.073</b>	<b>J</b>	0.50	0.050	mg/L		10/14/19 08:26	10/15/19 14:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:26	10/15/19 14:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:26	10/15/19 14:58	1
<b>Chromium</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:26	10/15/19 14:58	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 14:58	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 14:58	1
<b>Iron</b>	<b>5.9</b>		0.40	0.20	mg/L		10/14/19 08:26	10/15/19 14:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:26	10/15/19 14:58	1
<b>Manganese</b>	<b>0.057</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 14:58	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 14:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:26	10/15/19 14:58	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-58(10-15)-100719**

**Lab Sample ID: 500-171385-6**

Date Collected: 10/07/19 23:55

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.4

**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		10/14/19 08:26	10/15/19 14:58	1
Zinc	0.031	J B	0.50	0.020	mg/L		10/14/19 08:26	10/15/19 14:58	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.64	J B	1.1	0.22	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Arsenic	6.6		0.57	0.19	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Barium	43		0.57	0.065	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Beryllium	0.67		0.23	0.053	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Cadmium	0.11	B	0.11	0.020	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Calcium	55000	B	110	19	mg/Kg	☼	10/16/19 09:49	10/18/19 13:13	10
Chromium	17		0.57	0.28	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Cobalt	14		0.28	0.074	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Copper	26		0.57	0.16	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Iron	19000		11	5.9	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Lead	13		0.28	0.13	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Magnesium	21000		5.7	2.8	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Manganese	310		0.57	0.082	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Nickel	36		0.57	0.17	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Potassium	3900		28	10	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Selenium	0.88	B	0.57	0.33	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Silver	2.7		0.28	0.073	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Sodium	260		57	8.4	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Thallium	0.78		0.57	0.28	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Vanadium	22		0.28	0.067	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1
Zinc	53		1.1	0.50	mg/Kg	☼	10/16/19 09:49	10/18/19 03:50	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		10/14/19 11:15	10/15/19 10:15	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.020	0.0068	mg/Kg	☼	10/11/19 15:00	10/14/19 07:59	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.2	0.2	SU			10/09/19 15:53	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-58(10-15)-100719D**

**Lab Sample ID: 500-171385-7**

**Date Collected: 10/07/19 23:55**

**Matrix: Solid**

**Date Received: 10/08/19 15:00**

**Percent Solids: 80.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Acetone	<0.018		0.018	0.0079	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Carbon disulfide	<0.0046		0.0046	0.00095	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Chloroethane	<0.0046 *		0.0046	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Chloromethane	<0.0046		0.0046	0.0018	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0020	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
methyl isobutyl ketone	<0.0046		0.0046	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		70 - 134	10/08/19 15:50	10/16/19 17:46	1
4-Bromofluorobenzene (Surr)	98		75 - 131	10/08/19 15:50	10/16/19 17:46	1
Dibromofluoromethane	95		75 - 126	10/08/19 15:50	10/16/19 17:46	1
Toluene-d8 (Surr)	92		75 - 124	10/08/19 15:50	10/16/19 17:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-58(10-15)-100719D**

**Lab Sample ID: 500-171385-7**

Date Collected: 10/07/19 23:55

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
2,4-Dinitrophenol	<0.80	*	0.80	0.69	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
<b>2-Methylnaphthalene</b>	<b>0.051</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
<b>Benzo[g,h,i]perylene</b>	<b>0.016</b>	<b>J</b>	0.039	0.013	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
<b>Chrysene</b>	<b>0.023</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
<b>Fluoranthene</b>	<b>0.0076</b>	<b>J</b>	0.039	0.0073	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Hexachlorobenzene	<0.080		0.080	0.0091	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1

Euofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-58(10-15)-100719D**

**Lab Sample ID: 500-171385-7**

Date Collected: 10/07/19 23:55

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.0

**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	<0.039		0.039	0.010	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
<b>Phenanthrene</b>	<b>0.080</b>		0.039	0.0055	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	10/16/19 07:42	10/17/19 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	33		31 - 143	10/16/19 07:42	10/17/19 14:18	1
2-Fluorobiphenyl	54		43 - 145	10/16/19 07:42	10/17/19 14:18	1
2-Fluorophenol	61		31 - 166	10/16/19 07:42	10/17/19 14:18	1
Nitrobenzene-d5	46		37 - 147	10/16/19 07:42	10/17/19 14:18	1
Phenol-d5	55		30 - 153	10/16/19 07:42	10/17/19 14:18	1
Terphenyl-d14	59		42 - 157	10/16/19 07:42	10/17/19 14:18	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		10/15/19 09:03	10/16/19 09:46	1
<b>Barium</b>	<b>0.58</b>		0.50	0.050	mg/L		10/15/19 09:03	10/16/19 09:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:03	10/16/19 09:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:03	10/16/19 09:46	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:46	1
Cobalt	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:46	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:46	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:03	10/16/19 09:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:03	10/16/19 09:46	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:46	1
<b>Nickel</b>	<b>0.033</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:46	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:03	10/16/19 09:46	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 09:46	1
<b>Zinc</b>	<b>0.083</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:03	10/16/19 09:46	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		10/14/19 08:26	10/15/19 15:02	1
<b>Barium</b>	<b>0.076</b>	<b>J</b>	0.50	0.050	mg/L		10/14/19 08:26	10/15/19 15:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:26	10/15/19 15:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:26	10/15/19 15:02	1
<b>Chromium</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:02	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:02	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:02	1
<b>Iron</b>	<b>7.4</b>		0.40	0.20	mg/L		10/14/19 08:26	10/15/19 15:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:26	10/15/19 15:02	1
<b>Manganese</b>	<b>0.072</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:02	1
<b>Nickel</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:02	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:26	10/15/19 15:02	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-58(10-15)-100719D**

**Lab Sample ID: 500-171385-7**

Date Collected: 10/07/19 23:55

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:02	1
Zinc	0.12	J B	0.50	0.020	mg/L		10/14/19 08:26	10/15/19 15:02	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.59	J B	1.1	0.22	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Arsenic	7.4		0.57	0.20	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Barium	43		0.57	0.065	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Beryllium	0.76		0.23	0.054	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Cadmium	0.14	B	0.11	0.021	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Calcium	55000	B	110	19	mg/Kg	☼	10/16/19 09:49	10/18/19 13:17	10
Chromium	18		0.57	0.28	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Cobalt	15		0.29	0.075	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Copper	28		0.57	0.16	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Iron	20000		11	6.0	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Lead	13		0.29	0.13	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Magnesium	22000		5.7	2.8	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Manganese	330		0.57	0.083	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Nickel	38		0.57	0.17	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Potassium	4100		29	10	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Selenium	0.62	B	0.57	0.34	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Silver	2.7		0.29	0.074	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Sodium	260		57	8.5	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Thallium	0.99		0.57	0.29	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Vanadium	22		0.29	0.068	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1
Zinc	63		1.1	0.50	mg/Kg	☼	10/16/19 09:49	10/18/19 03:54	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		10/14/19 11:15	10/15/19 10:17	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.020	0.0066	mg/Kg	☼	10/11/19 15:00	10/14/19 08:01	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.2	0.2	SU			10/09/19 15:53	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-62(4-10)-100819**

**Lab Sample ID: 500-171385-13**

Date Collected: 10/08/19 00:25

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
<b>Acetone</b>	<b>0.029</b>		0.017	0.0073	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Chloroethane	<0.0042 *		0.0042	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
<b>Methylene Chloride</b>	<b>0.0017 J</b>		0.0042	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 12:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/08/19 15:50	10/16/19 12:35	1
4-Bromofluorobenzene (Surr)	90		75 - 131	10/08/19 15:50	10/16/19 12:35	1
Dibromofluoromethane	102		75 - 126	10/08/19 15:50	10/16/19 12:35	1
Toluene-d8 (Surr)	95		75 - 124	10/08/19 15:50	10/16/19 12:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-62(4-10)-100819**

**Lab Sample ID: 500-171385-13**

Date Collected: 10/08/19 00:25

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
2,4-Dinitrophenol	<0.80	*	0.80	0.70	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
<b>2-Methylnaphthalene</b>	<b>0.043</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
<b>Benzo[g,h,i]perylene</b>	<b>0.020</b>	<b>J</b>	0.039	0.013	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
<b>Chrysene</b>	<b>0.029</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
<b>Fluorene</b>	<b>0.010</b>	<b>J</b>	0.039	0.0056	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-62(4-10)-100819**

**Lab Sample ID: 500-171385-13**

Date Collected: 10/08/19 00:25

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
<b>Phenanthrene</b>	<b>0.13</b>		0.039	0.0055	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
<b>Pyrene</b>	<b>0.027</b>	<b>J</b>	0.039	0.0078	mg/Kg	☼	10/16/19 07:42	10/17/19 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63		31 - 143				10/16/19 07:42	10/17/19 00:32	1
2-Fluorobiphenyl	83		43 - 145				10/16/19 07:42	10/17/19 00:32	1
2-Fluorophenol	80		31 - 166				10/16/19 07:42	10/17/19 00:32	1
Nitrobenzene-d5	64		37 - 147				10/16/19 07:42	10/17/19 00:32	1
Phenol-d5	82		30 - 153				10/16/19 07:42	10/17/19 00:32	1
Terphenyl-d14	101		42 - 157				10/16/19 07:42	10/17/19 00:32	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.014</b>	<b>J</b>	0.050	0.010	mg/L		10/15/19 09:03	10/16/19 10:19	1
<b>Barium</b>	<b>0.56</b>		0.50	0.050	mg/L		10/15/19 09:03	10/16/19 10:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:03	10/16/19 10:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:03	10/16/19 10:19	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:19	1
<b>Cobalt</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:19	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:19	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:03	10/16/19 10:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:03	10/16/19 10:19	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:19	1
<b>Nickel</b>	<b>0.035</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:19	1
<b>Selenium</b>	<b>0.027</b>	<b>J</b>	0.050	0.020	mg/L		10/15/19 09:03	10/16/19 10:19	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:19	1
<b>Zinc</b>	<b>0.073</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:03	10/16/19 10:19	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		10/14/19 08:26	10/15/19 15:35	1
Barium	<0.50		0.50	0.050	mg/L		10/14/19 08:26	10/15/19 15:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:26	10/15/19 15:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:26	10/15/19 15:35	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:35	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:35	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:35	1
<b>Iron</b>	<b>0.67</b>		0.40	0.20	mg/L		10/14/19 08:26	10/15/19 15:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:26	10/15/19 15:35	1
<b>Manganese</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:35	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:35	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:26	10/15/19 15:35	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-62(4-10)-100819**

**Lab Sample ID: 500-171385-13**

Date Collected: 10/08/19 00:25

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:35	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/19 08:26	10/15/19 15:35	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.43	J B	1.2	0.24	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Arsenic	6.9		0.61	0.21	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Barium	40		0.61	0.069	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Beryllium	0.69		0.24	0.057	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Cadmium	0.13	B	0.12	0.022	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Calcium	60000	B	120	21	mg/Kg	☼	10/16/19 09:49	10/18/19 13:49	10
Chromium	16		0.61	0.30	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Cobalt	13		0.30	0.080	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Copper	27		0.61	0.17	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Iron	19000		12	6.3	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Lead	12		0.30	0.14	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Magnesium	26000		6.1	3.0	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Manganese	370		0.61	0.088	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Nickel	34		0.61	0.18	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Potassium	3700		30	11	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Selenium	0.58	J B	0.61	0.36	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Silver	2.5		0.30	0.078	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Sodium	560		61	9.0	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Thallium	0.65		0.61	0.30	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Vanadium	21		0.30	0.072	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1
Zinc	53		1.2	0.53	mg/Kg	☼	10/16/19 09:49	10/18/19 04:19	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		10/14/19 11:15	10/15/19 10:34	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.019	0.0064	mg/Kg	☼	10/11/19 15:00	10/14/19 08:24	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/09/19 15:53	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-62(10-15)-100819**

**Lab Sample ID: 500-171385-14**

Date Collected: 10/08/19 00:30

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
<b>Acetone</b>	<b>0.017</b>		0.017	0.0073	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Chloroethane	<0.0042 *		0.0042	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Methylene Chloride	<0.0042		0.0042	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 13:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/08/19 15:50	10/16/19 13:00	1
4-Bromofluorobenzene (Surr)	90		75 - 131	10/08/19 15:50	10/16/19 13:00	1
Dibromofluoromethane	100		75 - 126	10/08/19 15:50	10/16/19 13:00	1
Toluene-d8 (Surr)	95		75 - 124	10/08/19 15:50	10/16/19 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-62(10-15)-100819**

**Lab Sample ID: 500-171385-14**

Date Collected: 10/08/19 00:30

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
2,4-Dinitrophenol	<0.77	*	0.77	0.68	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
<b>2-Methylnaphthalene</b>	<b>0.051</b>	<b>J</b>	0.077	0.0071	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
4-Nitrophenol	<0.77		0.77	0.37	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
<b>Benzo[g,h,i]perylene</b>	<b>0.012</b>	<b>J</b>	0.038	0.012	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
<b>Chrysene</b>	<b>0.026</b>	<b>J</b>	0.038	0.010	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-62(10-15)-100819**

**Lab Sample ID: 500-171385-14**

Date Collected: 10/08/19 00:30

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Pentachlorophenol	<0.77		0.77	0.62	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
<b>Phenanthrene</b>	<b>0.11</b>		0.038	0.0053	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
<b>Pyrene</b>	<b>0.025</b>	<b>J</b>	0.038	0.0076	mg/Kg	☼	10/16/19 07:42	10/17/19 00:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	67		31 - 143				10/16/19 07:42	10/17/19 00:56	1
2-Fluorobiphenyl	87		43 - 145				10/16/19 07:42	10/17/19 00:56	1
2-Fluorophenol	70		31 - 166				10/16/19 07:42	10/17/19 00:56	1
Nitrobenzene-d5	86		37 - 147				10/16/19 07:42	10/17/19 00:56	1
Phenol-d5	92		30 - 153				10/16/19 07:42	10/17/19 00:56	1
Terphenyl-d14	106		42 - 157				10/16/19 07:42	10/17/19 00:56	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.011</b>	<b>J</b>	0.050	0.010	mg/L		10/15/19 09:03	10/16/19 10:23	1
<b>Barium</b>	<b>0.61</b>		0.50	0.050	mg/L		10/15/19 09:03	10/16/19 10:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:03	10/16/19 10:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:03	10/16/19 10:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:23	1
Cobalt	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:23	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:23	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:03	10/16/19 10:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:03	10/16/19 10:23	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:23	1
<b>Nickel</b>	<b>0.033</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:23	1
<b>Selenium</b>	<b>0.022</b>	<b>J</b>	0.050	0.020	mg/L		10/15/19 09:03	10/16/19 10:23	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:23	1
<b>Zinc</b>	<b>0.027</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:03	10/16/19 10:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/19 08:26	10/15/19 15:40	1
<b>Barium</b>	<b>0.073</b>	<b>J</b>	0.50	0.050	mg/L		10/14/19 08:26	10/15/19 15:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:26	10/15/19 15:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:26	10/15/19 15:40	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:40	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:40	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:40	1
<b>Iron</b>	<b>4.6</b>		0.40	0.20	mg/L		10/14/19 08:26	10/15/19 15:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:26	10/15/19 15:40	1
<b>Manganese</b>	<b>0.048</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:40	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:40	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:26	10/15/19 15:40	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-62(10-15)-100819**

**Lab Sample ID: 500-171385-14**

Date Collected: 10/08/19 00:30

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:40	1
Zinc	0.025	J B	0.50	0.020	mg/L		10/14/19 08:26	10/15/19 15:40	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.45	J B	1.2	0.23	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Arsenic	11		0.58	0.20	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Barium	44		0.58	0.067	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Beryllium	0.73		0.23	0.055	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Cadmium	0.11	J B	0.12	0.021	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Calcium	54000	B	120	20	mg/Kg	☼	10/16/19 09:49	10/18/19 13:53	10
Chromium	17		0.58	0.29	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Cobalt	14		0.29	0.076	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Copper	28		0.58	0.16	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Iron	25000		12	6.1	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Lead	12		0.29	0.13	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Magnesium	23000		5.8	2.9	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Manganese	330		0.58	0.085	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Nickel	35		0.58	0.17	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Potassium	4100		29	10	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Selenium	0.97	B	0.58	0.34	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Silver	2.5		0.29	0.075	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Sodium	250		58	8.6	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Thallium	0.78		0.58	0.29	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Vanadium	22		0.29	0.069	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1
Zinc	50		1.2	0.51	mg/Kg	☼	10/16/19 09:49	10/18/19 04:35	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		10/14/19 11:15	10/15/19 10:35	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018		0.017	0.0058	mg/Kg	☼	10/11/19 15:00	10/14/19 08:26	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			10/09/19 15:53	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-63(2-4)-100819**

**Lab Sample ID: 500-171385-15**

Date Collected: 10/08/19 00:35

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
1,1-Dichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
<b>Acetone</b>	<b>0.0074</b>	<b>J</b>	0.016	0.0068	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Bromoform	<0.0016		0.0016	0.00045	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Chlorobenzene	<0.0016		0.0016	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Chloroethane	<0.0039	*	0.0039	0.0011	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00043	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Ethylbenzene	<0.0016		0.0016	0.00074	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
methyl isobutyl ketone	<0.0039		0.0039	0.0011	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/08/19 15:50	10/16/19 13:25	1
4-Bromofluorobenzene (Surr)	98		75 - 131	10/08/19 15:50	10/16/19 13:25	1
Dibromofluoromethane	103		75 - 126	10/08/19 15:50	10/16/19 13:25	1
Toluene-d8 (Surr)	95		75 - 124	10/08/19 15:50	10/16/19 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-63(2-4)-100819**

**Lab Sample ID: 500-171385-15**

Date Collected: 10/08/19 00:35

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
2,4-Dichlorophenol	<0.37		0.37	0.090	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
2,4-Dinitrophenol	<0.76	*	0.76	0.66	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
<b>2-Methylnaphthalene</b>	<b>0.043</b>	<b>J</b>	0.076	0.0069	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
<b>Benzo[g,h,i]perylene</b>	<b>0.019</b>	<b>J</b>	0.037	0.012	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
<b>Chrysene</b>	<b>0.030</b>	<b>J</b>	0.037	0.010	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-63(2-4)-100819**

**Lab Sample ID: 500-171385-15**

Date Collected: 10/08/19 00:35

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 85.6

**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	<0.037		0.037	0.0098	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
<b>Phenanthrene</b>	<b>0.13</b>		0.037	0.0053	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
<b>Pyrene</b>	<b>0.019</b>	<b>J</b>	0.037	0.0075	mg/Kg	☼	10/16/19 07:42	10/17/19 01:20	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	51		31 - 143				10/16/19 07:42	10/17/19 01:20	1
2-Fluorobiphenyl	73		43 - 145				10/16/19 07:42	10/17/19 01:20	1
2-Fluorophenol	68		31 - 166				10/16/19 07:42	10/17/19 01:20	1
Nitrobenzene-d5	71		37 - 147				10/16/19 07:42	10/17/19 01:20	1
Phenol-d5	73		30 - 153				10/16/19 07:42	10/17/19 01:20	1
Terphenyl-d14	88		42 - 157				10/16/19 07:42	10/17/19 01:20	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/15/19 09:03	10/16/19 10:27	1
<b>Barium</b>	<b>0.89</b>		0.50	0.050	mg/L		10/15/19 09:03	10/16/19 10:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:03	10/16/19 10:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:03	10/16/19 10:27	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:27	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:27	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:27	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:03	10/16/19 10:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:03	10/16/19 10:27	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:27	1
<b>Nickel</b>	<b>0.045</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:27	1
<b>Selenium</b>	<b>0.021</b>	<b>J</b>	0.050	0.020	mg/L		10/15/19 09:03	10/16/19 10:27	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:27	1
<b>Zinc</b>	<b>0.041</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:03	10/16/19 10:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/19 08:26	10/15/19 15:44	1
<b>Barium</b>	<b>0.19</b>	<b>J</b>	0.50	0.050	mg/L		10/14/19 08:26	10/15/19 15:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:26	10/15/19 15:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:26	10/15/19 15:44	1
<b>Chromium</b>	<b>0.033</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:44	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:44	1
<b>Copper</b>	<b>0.033</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:44	1
<b>Iron</b>	<b>19</b>		0.40	0.20	mg/L		10/14/19 08:26	10/15/19 15:44	1
<b>Lead</b>	<b>0.013</b>		0.0075	0.0075	mg/L		10/14/19 08:26	10/15/19 15:44	1
<b>Manganese</b>	<b>0.17</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:44	1
<b>Nickel</b>	<b>0.027</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:44	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:26	10/15/19 15:44	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-63(2-4)-100819**

**Lab Sample ID: 500-171385-15**

Date Collected: 10/08/19 00:35

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:44	1
<b>Zinc</b>	<b>0.056</b>	<b>J B</b>	0.50	0.020	mg/L		10/14/19 08:26	10/15/19 15:44	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.57</b>	<b>J B</b>	1.1	0.22	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Arsenic</b>	<b>7.5</b>		0.57	0.20	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Barium</b>	<b>51</b>		0.57	0.065	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Beryllium</b>	<b>0.78</b>		0.23	0.054	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Cadmium</b>	<b>0.12</b>	<b>B</b>	0.11	0.021	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Calcium</b>	<b>52000</b>	<b>B</b>	110	19	mg/Kg	☼	10/16/19 09:49	10/18/19 13:57	10
<b>Chromium</b>	<b>16</b>		0.57	0.28	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Cobalt</b>	<b>12</b>		0.29	0.075	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Copper</b>	<b>27</b>		0.57	0.16	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Iron</b>	<b>21000</b>		11	6.0	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Lead</b>	<b>12</b>		0.29	0.13	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Magnesium</b>	<b>22000</b>		5.7	2.8	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Manganese</b>	<b>340</b>		0.57	0.083	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Nickel</b>	<b>33</b>		0.57	0.17	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Potassium</b>	<b>4100</b>		29	10	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Selenium</b>	<b>0.90</b>	<b>B</b>	0.57	0.34	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Silver</b>	<b>2.6</b>		0.29	0.074	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Sodium</b>	<b>2700</b>		57	8.5	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Thallium</b>	<b>0.81</b>		0.57	0.29	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Vanadium</b>	<b>21</b>		0.29	0.068	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1
<b>Zinc</b>	<b>57</b>		1.1	0.50	mg/Kg	☼	10/16/19 09:49	10/18/19 04:39	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		10/14/19 11:15	10/15/19 10:37	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.019</b>		0.019	0.0063	mg/Kg	☼	10/11/19 15:00	10/14/19 08:33	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.2</b>		0.2	0.2	SU			10/09/19 15:53	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-63(4-8)-100819**

**Lab Sample ID: 500-171385-16**

Date Collected: 10/08/19 00:40

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00075	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
1,1-Dichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
1,2-Dichloropropane	<0.0018		0.0018	0.00045	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Acetone	<0.018		0.018	0.0076	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Bromoform	<0.0018		0.0018	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Chloroethane	<0.0044 *		0.0044	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Dibromochloromethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Ethylbenzene	<0.0018		0.0018	0.00084	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Toluene	<0.0018		0.0018	0.00044	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Trichloroethene	<0.0018		0.0018	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/08/19 15:50	10/16/19 13:51	1
4-Bromofluorobenzene (Surr)	90		75 - 131	10/08/19 15:50	10/16/19 13:51	1
Dibromofluoromethane	101		75 - 126	10/08/19 15:50	10/16/19 13:51	1
Toluene-d8 (Surr)	93		75 - 124	10/08/19 15:50	10/16/19 13:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-63(4-8)-100819**

**Lab Sample ID: 500-171385-16**

Date Collected: 10/08/19 00:40

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
2,4-Dinitrophenol	<0.80	*	0.80	0.70	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
<b>2-Methylnaphthalene</b>	<b>0.043</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
<b>Benzo[g,h,i]perylene</b>	<b>0.018</b>	<b>J</b>	0.039	0.013	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
<b>Chrysene</b>	<b>0.027</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
<b>Fluoranthene</b>	<b>0.0075</b>	<b>J</b>	0.039	0.0073	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-63(4-8)-100819**

**Lab Sample ID: 500-171385-16**

Date Collected: 10/08/19 00:40

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.0

**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	<0.039		0.039	0.010	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
<b>Phenanthrene</b>	<b>0.13</b>		0.039	0.0055	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
<b>Pyrene</b>	<b>0.026</b>	<b>J</b>	0.039	0.0079	mg/Kg	☼	10/16/19 07:42	10/17/19 01:44	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	47		31 - 143				10/16/19 07:42	10/17/19 01:44	1
2-Fluorobiphenyl	70		43 - 145				10/16/19 07:42	10/17/19 01:44	1
2-Fluorophenol	70		31 - 166				10/16/19 07:42	10/17/19 01:44	1
Nitrobenzene-d5	101		37 - 147				10/16/19 07:42	10/17/19 01:44	1
Phenol-d5	73		30 - 153				10/16/19 07:42	10/17/19 01:44	1
Terphenyl-d14	87		42 - 157				10/16/19 07:42	10/17/19 01:44	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/15/19 09:03	10/16/19 10:32	1
<b>Barium</b>	<b>0.53</b>		0.50	0.050	mg/L		10/15/19 09:03	10/16/19 10:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:03	10/16/19 10:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:03	10/16/19 10:32	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:32	1
<b>Cobalt</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:32	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:32	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:03	10/16/19 10:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:03	10/16/19 10:32	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:32	1
<b>Nickel</b>	<b>0.043</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:03	10/16/19 10:32	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:32	1
<b>Zinc</b>	<b>0.028</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:03	10/16/19 10:32	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		10/14/19 08:26	10/15/19 15:48	1
<b>Barium</b>	<b>0.055</b>	<b>J</b>	0.50	0.050	mg/L		10/14/19 08:26	10/15/19 15:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:26	10/15/19 15:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:26	10/15/19 15:48	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:48	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:48	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:48	1
<b>Iron</b>	<b>1.8</b>		0.40	0.20	mg/L		10/14/19 08:26	10/15/19 15:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:26	10/15/19 15:48	1
<b>Manganese</b>	<b>0.034</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:48	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:48	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:26	10/15/19 15:48	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-63(4-8)-100819**

**Lab Sample ID: 500-171385-16**

Date Collected: 10/08/19 00:40

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:48	1
Zinc	0.023	J B	0.50	0.020	mg/L		10/14/19 08:26	10/15/19 15:48	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.51	J B	1.2	0.24	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Arsenic	7.4		0.61	0.21	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Barium	41		0.61	0.070	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Beryllium	0.71		0.25	0.057	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Cadmium	0.18	B	0.12	0.022	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Calcium	62000	B	120	21	mg/Kg	☼	10/16/19 09:49	10/18/19 14:01	10
Chromium	17		0.61	0.30	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Cobalt	14		0.31	0.080	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Copper	26		0.61	0.17	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Iron	21000		12	6.4	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Lead	12		0.31	0.14	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Magnesium	24000		6.1	3.0	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Manganese	330		0.61	0.089	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Nickel	36		0.61	0.18	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Potassium	4100		31	11	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Selenium	0.96	B	0.61	0.36	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Silver	2.6		0.31	0.079	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Sodium	950		61	9.1	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Thallium	0.68		0.61	0.31	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Vanadium	22		0.31	0.072	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1
Zinc	83		1.2	0.54	mg/Kg	☼	10/16/19 09:49	10/18/19 04:43	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		10/14/19 11:15	10/15/19 10:38	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.019	0.0064	mg/Kg	☼	10/11/19 15:00	10/14/19 08:35	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/09/19 15:53	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-64(3-4)-100819**

**Lab Sample ID: 500-171385-17**

Date Collected: 10/08/19 00:45

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
1,1-Dichloroethane	<0.0015		0.0015	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
<b>Acetone</b>	<b>0.018</b>		0.015	0.0067	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Carbon disulfide	<0.0039		0.0039	0.00080	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Carbon tetrachloride	<0.0015		0.0015	0.00045	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Chlorobenzene	<0.0015		0.0015	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Chloroethane	<0.0039 *		0.0039	0.0011	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Chloroform	<0.0015		0.0015	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Ethylbenzene	<0.0015		0.0015	0.00074	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
methyl isobutyl ketone	<0.0039		0.0039	0.0011	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
<b>Methylene Chloride</b>	<b>0.0016 J</b>		0.0039	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Styrene	<0.0015		0.0015	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Tetrachloroethene	<0.0015		0.0015	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/08/19 15:50	10/16/19 14:16	1
4-Bromofluorobenzene (Surr)	94		75 - 131	10/08/19 15:50	10/16/19 14:16	1
Dibromofluoromethane	104		75 - 126	10/08/19 15:50	10/16/19 14:16	1
Toluene-d8 (Surr)	96		75 - 124	10/08/19 15:50	10/16/19 14:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-64(3-4)-100819**

**Lab Sample ID: 500-171385-17**

Date Collected: 10/08/19 00:45

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
2,4-Dinitrophenol	<0.77	*	0.77	0.67	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
<b>2-Methylnaphthalene</b>	<b>0.060</b>	<b>J</b>	0.077	0.0070	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
<b>Benzo[a]pyrene</b>	<b>0.0091</b>	<b>J</b>	0.038	0.0074	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
<b>Benzo[g,h,i]perylene</b>	<b>0.019</b>	<b>J</b>	0.038	0.012	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
<b>Chrysene</b>	<b>0.032</b>	<b>J</b>	0.038	0.010	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
<b>Fluoranthene</b>	<b>0.0090</b>	<b>J</b>	0.038	0.0071	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-64(3-4)-100819**

**Lab Sample ID: 500-171385-17**

Date Collected: 10/08/19 00:45

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
<b>Phenanthrene</b>	<b>0.12</b>		0.038	0.0053	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
<b>Pyrene</b>	<b>0.049</b>		0.038	0.0076	mg/Kg	☼	10/16/19 07:42	10/17/19 02:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	66		31 - 143				10/16/19 07:42	10/17/19 02:08	1
2-Fluorobiphenyl	78		43 - 145				10/16/19 07:42	10/17/19 02:08	1
2-Fluorophenol	75		31 - 166				10/16/19 07:42	10/17/19 02:08	1
Nitrobenzene-d5	86		37 - 147				10/16/19 07:42	10/17/19 02:08	1
Phenol-d5	85		30 - 153				10/16/19 07:42	10/17/19 02:08	1
Terphenyl-d14	100		42 - 157				10/16/19 07:42	10/17/19 02:08	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/15/19 09:03	10/16/19 10:36	1
<b>Barium</b>	<b>0.62</b>		0.50	0.050	mg/L		10/15/19 09:03	10/16/19 10:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:03	10/16/19 10:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:03	10/16/19 10:36	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:36	1
<b>Cobalt</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:36	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:36	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:03	10/16/19 10:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:03	10/16/19 10:36	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:36	1
<b>Nickel</b>	<b>0.041</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:36	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:03	10/16/19 10:36	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:36	1
<b>Zinc</b>	<b>0.035</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:03	10/16/19 10:36	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		10/14/19 08:26	10/15/19 15:52	1
<b>Barium</b>	<b>0.094</b>	<b>J</b>	0.50	0.050	mg/L		10/14/19 08:26	10/15/19 15:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:26	10/15/19 15:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:26	10/15/19 15:52	1
<b>Chromium</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:52	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:52	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:52	1
<b>Iron</b>	<b>7.6</b>		0.40	0.20	mg/L		10/14/19 08:26	10/15/19 15:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:26	10/15/19 15:52	1
<b>Manganese</b>	<b>0.073</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:52	1
<b>Nickel</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:52	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:26	10/15/19 15:52	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-64(3-4)-100819**

**Lab Sample ID: 500-171385-17**

Date Collected: 10/08/19 00:45

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:52	1
Zinc	0.079	J B	0.50	0.020	mg/L		10/14/19 08:26	10/15/19 15:52	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.53	J B	1.1	0.22	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Arsenic	7.5		0.56	0.19	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Barium	37		0.56	0.063	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Beryllium	0.66		0.22	0.052	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Cadmium	0.12	B	0.11	0.020	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Calcium	61000	B	110	19	mg/Kg	☼	10/16/19 09:49	10/18/19 14:05	10
Chromium	15		0.56	0.28	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Cobalt	14		0.28	0.073	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Copper	27		0.56	0.16	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Iron	19000		11	5.8	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Lead	13		0.28	0.13	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Magnesium	25000		5.6	2.8	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Manganese	380		0.56	0.081	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Nickel	35		0.56	0.16	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Potassium	3500		28	9.9	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Selenium	0.82	B	0.56	0.33	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Silver	2.5		0.28	0.072	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Sodium	1300		56	8.2	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Thallium	0.75		0.56	0.28	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Vanadium	19		0.28	0.066	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1
Zinc	53		1.1	0.49	mg/Kg	☼	10/16/19 09:49	10/18/19 04:48	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		10/14/19 11:15	10/15/19 10:40	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.019	0.0065	mg/Kg	☼	10/11/19 15:00	10/14/19 08:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			10/09/19 15:53	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-64(4-8)-100819**

**Lab Sample ID: 500-171385-18**

Date Collected: 10/08/19 00:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
<b>Acetone</b>	<b>0.024</b>		0.016	0.0068	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Bromoform	<0.0016		0.0016	0.00045	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Chlorobenzene	<0.0016		0.0016	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Chloroethane	<0.0039 *		0.0039	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00043	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Ethylbenzene	<0.0016		0.0016	0.00074	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
<b>Methylene Chloride</b>	<b>0.0017 J</b>		0.0039	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/08/19 15:50	10/16/19 14:41	1
4-Bromofluorobenzene (Surr)	92		75 - 131	10/08/19 15:50	10/16/19 14:41	1
Dibromofluoromethane	102		75 - 126	10/08/19 15:50	10/16/19 14:41	1
Toluene-d8 (Surr)	94		75 - 124	10/08/19 15:50	10/16/19 14:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-64(4-8)-100819**

**Lab Sample ID: 500-171385-18**

Date Collected: 10/08/19 00:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
2,4-Dinitrophenol	<0.76	*	0.76	0.66	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
<b>2-Methylnaphthalene</b>	<b>0.043</b>	<b>J</b>	0.076	0.0069	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
<b>Benzo[g,h,i]perylene</b>	<b>0.015</b>	<b>J</b>	0.037	0.012	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
<b>Chrysene</b>	<b>0.031</b>	<b>J</b>	0.037	0.010	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
<b>Fluoranthene</b>	<b>0.0075</b>	<b>J</b>	0.037	0.0069	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1

Euofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-64(4-8)-100819**

**Lab Sample ID: 500-171385-18**

Date Collected: 10/08/19 00:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0097	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
<b>Phenanthrene</b>	<b>0.15</b>		0.037	0.0052	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1
<b>Pyrene</b>	<b>0.031</b>	<b>J</b>	0.037	0.0074	mg/Kg	☼	10/16/19 07:42	10/17/19 02:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	67		31 - 143	10/16/19 07:42	10/17/19 02:32	1
2-Fluorobiphenyl	78		43 - 145	10/16/19 07:42	10/17/19 02:32	1
2-Fluorophenol	67		31 - 166	10/16/19 07:42	10/17/19 02:32	1
Nitrobenzene-d5	79		37 - 147	10/16/19 07:42	10/17/19 02:32	1
Phenol-d5	80		30 - 153	10/16/19 07:42	10/17/19 02:32	1
Terphenyl-d14	102		42 - 157	10/16/19 07:42	10/17/19 02:32	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/15/19 09:03	10/16/19 10:40	1
<b>Barium</b>	<b>0.54</b>		0.50	0.050	mg/L		10/15/19 09:03	10/16/19 10:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:03	10/16/19 10:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:03	10/16/19 10:40	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:40	1
<b>Cobalt</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:40	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:40	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:03	10/16/19 10:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:03	10/16/19 10:40	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:40	1
<b>Nickel</b>	<b>0.040</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:40	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:03	10/16/19 10:40	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:40	1
<b>Zinc</b>	<b>0.025</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:03	10/16/19 10:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/19 08:26	10/15/19 15:56	1
Barium	<0.50		0.50	0.050	mg/L		10/14/19 08:26	10/15/19 15:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:26	10/15/19 15:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:26	10/15/19 15:56	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:56	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:56	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:56	1
<b>Iron</b>	<b>0.84</b>		0.40	0.20	mg/L		10/14/19 08:26	10/15/19 15:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:26	10/15/19 15:56	1
<b>Manganese</b>	<b>0.022</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:56	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:56	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:26	10/15/19 15:56	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-64(4-8)-100819**

**Lab Sample ID: 500-171385-18**

Date Collected: 10/08/19 00:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 15:56	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/19 08:26	10/15/19 15:56	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.50	J B	1.2	0.23	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Arsenic	7.1		0.60	0.20	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Barium	38		0.60	0.068	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Beryllium	0.73		0.24	0.056	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Cadmium	0.17	B	0.12	0.021	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Calcium	57000	B	120	20	mg/Kg	☼	10/16/19 09:49	10/18/19 14:09	10
Chromium	15		0.60	0.30	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Cobalt	13		0.30	0.078	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Copper	27		0.60	0.17	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Iron	19000		12	6.2	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Lead	12		0.30	0.14	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Magnesium	24000		6.0	3.0	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Manganese	350		0.60	0.086	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Nickel	35		0.60	0.17	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Potassium	3700		30	11	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Selenium	0.83	B	0.60	0.35	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Silver	2.5		0.30	0.077	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Sodium	520		60	8.8	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Thallium	0.87		0.60	0.30	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Vanadium	20		0.30	0.070	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1
Zinc	57		1.2	0.52	mg/Kg	☼	10/16/19 09:49	10/18/19 04:52	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		10/14/19 11:15	10/15/19 10:42	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.018	0.0061	mg/Kg	☼	10/11/19 15:00	10/14/19 08:39	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/14/19 10:53	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-65(3-4)-100819**

**Lab Sample ID: 500-171385-19**

Date Collected: 10/08/19 01:00

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
1,1-Dichloroethane	<0.0015		0.0015	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
<b>Acetone</b>	<b>0.015</b>		0.015	0.0067	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Bromomethane	<0.0038		0.0038	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Carbon disulfide	<0.0038		0.0038	0.00080	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Carbon tetrachloride	<0.0015		0.0015	0.00045	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Chlorobenzene	<0.0015		0.0015	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Chloroethane	<0.0038 *		0.0038	0.0011	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/08/19 15:50	10/16/19 15:07	1
4-Bromofluorobenzene (Surr)	100		75 - 131	10/08/19 15:50	10/16/19 15:07	1
Dibromofluoromethane	100		75 - 126	10/08/19 15:50	10/16/19 15:07	1
Toluene-d8 (Surr)	97		75 - 124	10/08/19 15:50	10/16/19 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-65(3-4)-100819**

**Lab Sample ID: 500-171385-19**

Date Collected: 10/08/19 01:00

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
2,4-Dinitrophenol	<0.75	*	0.75	0.65	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
<b>2-Methylnaphthalene</b>	<b>0.062</b>	<b>J</b>	0.075	0.0068	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Benzo[a]pyrene	<0.037		0.037	0.0072	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
<b>Fluoranthene</b>	<b>0.0086</b>	<b>J</b>	0.037	0.0069	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-65(3-4)-100819**

**Lab Sample ID: 500-171385-19**

Date Collected: 10/08/19 01:00

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 86.0

## 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	<0.037		0.037	0.0096	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Pentachlorophenol	<0.75		0.75	0.59	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
<b>Phenanthrene</b>	<b>0.13</b>		0.037	0.0052	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
<b>Pyrene</b>	<b>0.032</b>	<b>J</b>	0.037	0.0074	mg/Kg	☼	10/16/19 07:42	10/17/19 02:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	86		31 - 143				10/16/19 07:42	10/17/19 02:56	1
2-Fluorobiphenyl	91		43 - 145				10/16/19 07:42	10/17/19 02:56	1
2-Fluorophenol	86		31 - 166				10/16/19 07:42	10/17/19 02:56	1
Nitrobenzene-d5	87		37 - 147				10/16/19 07:42	10/17/19 02:56	1
Phenol-d5	91		30 - 153				10/16/19 07:42	10/17/19 02:56	1
Terphenyl-d14	117		42 - 157				10/16/19 07:42	10/17/19 02:56	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		10/15/19 09:03	10/16/19 10:52	1
<b>Barium</b>	<b>0.53</b>		0.50	0.050	mg/L		10/15/19 09:03	10/16/19 10:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:03	10/16/19 10:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:03	10/16/19 10:52	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:52	1
<b>Cobalt</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:52	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:52	1
<b>Iron</b>	<b>0.35</b>	<b>J F1</b>	0.40	0.20	mg/L		10/15/19 09:03	10/16/19 10:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:03	10/16/19 10:52	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:52	1
<b>Nickel</b>	<b>0.043</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:52	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:03	10/16/19 10:52	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 10:52	1
<b>Zinc</b>	<b>0.038</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:03	10/16/19 10:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.016</b>	<b>J</b>	0.050	0.010	mg/L		10/14/19 08:26	10/15/19 16:09	1
<b>Barium</b>	<b>0.33</b>	<b>J</b>	0.50	0.050	mg/L		10/14/19 08:26	10/15/19 16:09	1
<b>Beryllium</b>	<b>0.0054</b>		0.0040	0.0040	mg/L		10/14/19 08:26	10/15/19 16:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:26	10/15/19 16:09	1
<b>Chromium</b>	<b>0.11</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 16:09	1
<b>Cobalt</b>	<b>0.047</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 16:09	1
<b>Copper</b>	<b>0.094</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 16:09	1
<b>Iron</b>	<b>68</b>		0.40	0.20	mg/L		10/14/19 08:26	10/15/19 16:09	1
<b>Lead</b>	<b>0.046</b>		0.0075	0.0075	mg/L		10/14/19 08:26	10/15/19 16:09	1
<b>Manganese</b>	<b>0.69</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 16:09	1
<b>Nickel</b>	<b>0.12</b>		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 16:09	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:26	10/15/19 16:09	1

Eurolins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-65(3-4)-100819**

**Lab Sample ID: 500-171385-19**

Date Collected: 10/08/19 01:00

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 16:09	1
Zinc	0.18	J B	0.50	0.020	mg/L		10/14/19 08:26	10/15/19 16:09	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.56	J B	1.1	0.22	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Arsenic	5.3		0.56	0.19	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Barium	42		0.56	0.064	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Beryllium	0.61		0.22	0.052	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Cadmium	0.11	B	0.11	0.020	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Calcium	64000	B	110	19	mg/Kg	☼	10/16/19 09:49	10/18/19 14:13	10
Chromium	15		0.56	0.28	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Cobalt	11		0.28	0.073	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Copper	22		0.56	0.16	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Iron	17000		11	5.8	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Lead	11		0.28	0.13	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Magnesium	27000		5.6	2.8	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Manganese	340		0.56	0.081	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Nickel	29		0.56	0.16	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Potassium	3400		28	9.9	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Selenium	0.86	B	0.56	0.33	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Silver	2.3		0.28	0.072	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Sodium	2600		56	8.3	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Thallium	0.54	J	0.56	0.28	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Vanadium	18		0.28	0.066	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1
Zinc	43		1.1	0.49	mg/Kg	☼	10/16/19 09:49	10/18/19 04:56	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		10/14/19 11:15	10/15/19 10:43	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	J	0.019	0.0062	mg/Kg	☼	10/11/19 15:00	10/14/19 08:41	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.0		0.2	0.2	SU			10/14/19 10:59	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-65(4-8)-100819**

**Lab Sample ID: 500-171385-20**

Date Collected: 10/08/19 01:05

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 81.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Acetone	<0.016		0.016	0.0070	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Chloroethane	<0.0040 *		0.0040	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/08/19 15:50	10/16/19 15:33	1
4-Bromofluorobenzene (Surr)	98		75 - 131	10/08/19 15:50	10/16/19 15:33	1
Dibromofluoromethane	103		75 - 126	10/08/19 15:50	10/16/19 15:33	1
Toluene-d8 (Surr)	94		75 - 124	10/08/19 15:50	10/16/19 15:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-65(4-8)-100819**

**Lab Sample ID: 500-171385-20**

Date Collected: 10/08/19 01:05

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 81.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
2,4-Dinitrophenol	<0.80	*	0.80	0.70	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
<b>2-Methylnaphthalene</b>	<b>0.026</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
<b>Benzo[g,h,i]perylene</b>	<b>0.017</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
<b>Chrysene</b>	<b>0.028</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-65(4-8)-100819**

**Lab Sample ID: 500-171385-20**

Date Collected: 10/08/19 01:05

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 81.7

**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	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
<b>Phenanthrene</b>	<b>0.12</b>		0.040	0.0056	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
<b>Pyrene</b>	<b>0.026</b>	<b>J</b>	0.040	0.0079	mg/Kg	☼	10/16/19 07:42	10/17/19 03:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	53		31 - 143				10/16/19 07:42	10/17/19 03:20	1
2-Fluorobiphenyl	64		43 - 145				10/16/19 07:42	10/17/19 03:20	1
2-Fluorophenol	64		31 - 166				10/16/19 07:42	10/17/19 03:20	1
Nitrobenzene-d5	62		37 - 147				10/16/19 07:42	10/17/19 03:20	1
Phenol-d5	65		30 - 153				10/16/19 07:42	10/17/19 03:20	1
Terphenyl-d14	86		42 - 157				10/16/19 07:42	10/17/19 03:20	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/15/19 09:03	10/16/19 11:09	1
<b>Barium</b>	<b>0.60</b>		0.50	0.050	mg/L		10/15/19 09:03	10/16/19 11:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:03	10/16/19 11:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:03	10/16/19 11:09	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 11:09	1
<b>Cobalt</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:03	10/16/19 11:09	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 11:09	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:03	10/16/19 11:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:03	10/16/19 11:09	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 11:09	1
<b>Nickel</b>	<b>0.035</b>		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 11:09	1
<b>Selenium</b>	<b>0.023</b>	<b>J</b>	0.050	0.020	mg/L		10/15/19 09:03	10/16/19 11:09	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:03	10/16/19 11:09	1
<b>Zinc</b>	<b>0.037</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:03	10/16/19 11:09	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		10/14/19 08:26	10/15/19 16:13	1
Barium	<0.50		0.50	0.050	mg/L		10/14/19 08:26	10/15/19 16:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:26	10/15/19 16:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:26	10/15/19 16:13	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 16:13	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 16:13	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 16:13	1
<b>Iron</b>	<b>0.38</b>	<b>J</b>	0.40	0.20	mg/L		10/14/19 08:26	10/15/19 16:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:26	10/15/19 16:13	1
<b>Manganese</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:26	10/15/19 16:13	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:26	10/15/19 16:13	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:26	10/15/19 16:13	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

**Client Sample ID: ROW-65(4-8)-100819**

**Lab Sample ID: 500-171385-20**

Date Collected: 10/08/19 01:05

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 81.7

**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		10/14/19 08:26	10/15/19 16:13	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/19 08:26	10/15/19 16:13	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.54	J B F1	1.1	0.22	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Arsenic	11	F1	0.56	0.19	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Barium	42		0.56	0.064	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Beryllium	0.72		0.23	0.053	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Cadmium	0.21	B	0.11	0.020	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Calcium	53000	B	110	19	mg/Kg	☼	10/16/19 09:49	10/18/19 14:17	10
Chromium	16		0.56	0.28	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Cobalt	19		0.28	0.074	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Copper	28		0.56	0.16	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Iron	22000		11	5.9	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Lead	14	F1	0.28	0.13	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Magnesium	21000		5.6	2.8	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Manganese	320		0.56	0.082	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Nickel	37		0.56	0.16	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Potassium	4000		28	10	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Selenium	1.1	B F1	0.56	0.33	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Silver	2.8		0.28	0.073	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Sodium	950		56	8.4	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Thallium	1.3	F1	0.56	0.28	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Vanadium	22		0.28	0.067	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1
Zinc	63	F1	1.1	0.50	mg/Kg	☼	10/16/19 09:49	10/18/19 05:00	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		10/14/19 11:15	10/15/19 10:45	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.019	0.0063	mg/Kg	☼	10/11/19 15:00	10/14/19 08:43	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/14/19 11:04	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171385-1

## Qualifiers

### GC/MS VOA

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

### GC/MS Semi VOA

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

### Metals

Qualifier	Qualifier Description
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.
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 - Circle Interchange-WO 003

Job ID: 500-171385-1

## 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	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

# TestAmerica

THE LEADER IN ENVIRONMENTAL

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



500-171385 COC

Report To (optional)  
Contact: A. Adr 3 Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: same  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171385

Chain of Custody Number: \_\_\_\_\_

Page 1 of 3

Temperature °C of Cooler: 35/18, 27/15

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
Project Name		Lab Project #		Parameter		Matrix		Comments				
Project Location/State		Lab PM		Parameter		Matrix						
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SUACs	Trace Metals	PCP/SLP	Metals	pH
1		ROW-56 (3-4)-100719	10/7/19	2320	5	S	X	X	X	X	X	
2		ROW-56 (4-10)-100719		2325								
3		ROW-56 (10-15)-100719		2330								
4		ROW-58 (3-4)-100719		2345								
5		ROW-58 (4-10)-100719		2350								
6		ROW-58 (10-15)-100719		2355								
7		ROW-58 (10-15)-100719		2355								
8		ROW-59 (3-4)-100819	10/8/19	0000								
9		ROW-59 (4-10)-100819		0005								
10		ROW-59 (10-15)-100819		0010								

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

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

Relinquished By: <u>[Signature]</u> Company: <u>WS</u> Date: <u>10/8/19</u> Time: <u>1405</u>	Received By: <u>[Signature]</u> Company: <u>AT</u> Date: <u>10/8/19</u> Time: <u>1405</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u> Company: <u>A</u> Date: <u>10/8/19</u> Time: <u>1500</u>	Received By: <u>[Signature]</u> Company: <u>TA-CHE</u> Date: <u>10/8/19</u> Time: <u>1500</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

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

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)  
Contact: Andri's Skarsars  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: SAFE  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job # 500-171385

Chain of Custody Number: \_\_\_\_\_

Page 2 of 3

Temperature °C of Cooler 35/18, 37/45

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
<u>Weston</u>		<u>07056.016.003</u>									
Project Name		Lab Project #		Date		Time		# of Containers		Matrix	
<u>EDOT 90/10</u>											
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix	
<u>Chicago, IL</u>											
Sampler		Lab PM		Date		Time		# of Containers		Matrix	
<u>C. Pace &amp; M. Relio</u>											
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCS	SUOCS	TO red metals	DEP/SO4P metals	Hcl
<u>11</u>		<u>ROW-61(4-10)-100819</u>	<u>10/8/19</u>	<u>0015</u>	<u>6</u>	<u>5</u>	X	X	X	X	X
<u>12</u>		<u>ROW-61(10-15)-100819</u>		<u>0020</u>			X	X	X	X	X
<u>13</u>		<u>ROW-62(4-10)-100819</u>		<u>0025</u>			X	X	X	X	X
<u>14</u>		<u>ROW-62(10-15)-100819</u>		<u>0030</u>			X	X	X	X	X
<u>15</u>		<u>ROW-63(2-4)-100819</u>		<u>0035</u>			X	X	X	X	X
<u>16</u>		<u>ROW-63(4-8)-100819</u>		<u>0040</u>			X	X	X	X	X
<u>17</u>		<u>ROW-64(3-4)-100819</u>		<u>0045</u>			X	X	X	X	X
<u>18</u>		<u>ROW-64(4-8)-100819</u>		<u>0050</u>			X	X	X	X	X
<u>19</u>		<u>ROW-65(3-4)-100819</u>		<u>0100</u>			X	X	X	X	X
<u>20</u>		<u>ROW-65(4-8)-100819</u>		<u>0105</u>			X	X	X	X	X

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

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

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

Relinquished By <u>[Signature]</u> Company <u>WS</u> Date <u>10/8/19</u> Time <u>1405</u>	Received By <u>[Signature]</u> Company <u>TA</u> Date <u>10/8/19</u> Time <u>1405</u>	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u> Company <u>TA</u> Date <u>10/8/19</u> Time <u>1500</u>	Received By <u>[Signature]</u> Company <u>TA-CH</u> Date <u>10/8/19</u> Time <u>1500</u>	Shipped _____
Relinquished By _____ Company _____ Date _____ Time _____	Received By _____ Company _____ Date _____ Time _____	Hand Delivered _____

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

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

## ANALYTICAL REPORT

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

Laboratory Job ID: 500-171386-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

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

Attn: Mr. Andris Slesers



Authorized for release by:  
10/18/2019 3:53:23 PM

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

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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

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

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

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-54(3-4)-100819**

**Lab Sample ID: 500-171386-1**

Date Collected: 10/08/19 01:40

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
<b>Acetone</b>	<b>0.015</b>	<b>J</b>	0.017	0.0072	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Bromoform	<0.0017		0.0017	0.00048	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Bromomethane	<0.0041		0.0041	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Carbon disulfide	<0.0041		0.0041	0.00086	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Chloroethane	<0.0041	*	0.0041	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Chloromethane	<0.0041		0.0041	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00046	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Ethylbenzene	<0.0017		0.0017	0.00079	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Vinyl chloride	<0.0017		0.0017	0.00073	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/08/19 15:50	10/16/19 15:59	1
4-Bromofluorobenzene (Surr)	102		75 - 131	10/08/19 15:50	10/16/19 15:59	1
Dibromofluoromethane	103		75 - 126	10/08/19 15:50	10/16/19 15:59	1
Toluene-d8 (Surr)	97		75 - 124	10/08/19 15:50	10/16/19 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-54(3-4)-100819**

**Lab Sample ID: 500-171386-1**

**Date Collected: 10/08/19 01:40**

**Matrix: Solid**

**Date Received: 10/08/19 15:00**

**Percent Solids: 83.0**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
2,4-Dinitrophenol	<0.80		0.80	0.69	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
<b>2-Methylnaphthalene</b>	<b>0.030</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
<b>Acenaphthene</b>	<b>0.016</b>	<b>J</b>	0.039	0.0071	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
<b>Anthracene</b>	<b>0.022</b>	<b>J</b>	0.039	0.0066	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
<b>Benzo[a]anthracene</b>	<b>0.057</b>		0.039	0.0053	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
<b>Benzo[a]pyrene</b>	<b>0.056</b>		0.039	0.0076	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
<b>Benzo[b]fluoranthene</b>	<b>0.069</b>		0.039	0.0085	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
<b>Benzo[g,h,i]perylene</b>	<b>0.028</b>	<b>J</b>	0.039	0.013	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
<b>Benzo[k]fluoranthene</b>	<b>0.020</b>	<b>J</b>	0.039	0.012	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
<b>Chrysene</b>	<b>0.070</b>		0.039	0.011	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
<b>Fluoranthene</b>	<b>0.13</b>		0.039	0.0073	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
<b>Fluorene</b>	<b>0.012</b>	<b>J</b>	0.039	0.0055	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Hexachlorobenzene	<0.080		0.080	0.0091	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-54(3-4)-100819**

**Lab Sample ID: 500-171386-1**

Date Collected: 10/08/19 01:40

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.021</b>	<b>J</b>	0.039	0.010	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
<b>Phenanthrene</b>	<b>0.16</b>		0.039	0.0055	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
<b>Pyrene</b>	<b>0.11</b>		0.039	0.0078	mg/Kg	☼	10/15/19 15:59	10/16/19 17:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	55		31 - 143				10/15/19 15:59	10/16/19 17:17	1
2-Fluorobiphenyl	77		43 - 145				10/15/19 15:59	10/16/19 17:17	1
2-Fluorophenol	90		31 - 166				10/15/19 15:59	10/16/19 17:17	1
Nitrobenzene-d5	68		37 - 147				10/15/19 15:59	10/16/19 17:17	1
Phenol-d5	86		30 - 153				10/15/19 15:59	10/16/19 17:17	1
Terphenyl-d14	92		42 - 157				10/15/19 15:59	10/16/19 17:17	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.011</b>	<b>J</b>	0.050	0.010	mg/L		10/15/19 09:08	10/16/19 16:26	1
<b>Barium</b>	<b>0.55</b>		0.50	0.050	mg/L		10/15/19 09:08	10/16/19 16:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:08	10/16/19 16:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:08	10/16/19 16:26	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:26	1
<b>Cobalt</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:26	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:26	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:08	10/16/19 16:26	1
<b>Lead</b>	<b>0.011</b>		0.0075	0.0075	mg/L		10/15/19 09:08	10/16/19 16:26	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:26	1
<b>Nickel</b>	<b>0.11</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:26	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:08	10/16/19 16:26	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:26	1
<b>Zinc</b>	<b>0.080</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:08	10/16/19 16:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/19 08:28	10/15/19 16:38	1
Barium	<0.50		0.50	0.050	mg/L		10/14/19 08:28	10/15/19 16:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:28	10/15/19 16:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:28	10/15/19 16:38	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:38	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:38	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:38	1
<b>Iron</b>	<b>0.28</b>	<b>J</b>	0.40	0.20	mg/L		10/14/19 08:28	10/15/19 16:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:28	10/15/19 16:38	1
<b>Manganese</b>	<b>0.016</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:38	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:38	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:28	10/15/19 16:38	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-54(3-4)-100819**

**Lab Sample ID: 500-171386-1**

Date Collected: 10/08/19 01:40

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:38	1
Zinc	0.071	J	0.50	0.020	mg/L		10/14/19 08:28	10/15/19 16:38	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J B	1.1	0.22	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Arsenic	8.2		0.56	0.19	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Barium	35		0.56	0.064	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Beryllium	0.73		0.22	0.053	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Cadmium	0.17	B	0.11	0.020	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Calcium	47000	B	110	19	mg/Kg	☼	10/16/19 09:03	10/18/19 12:37	10
Chromium	16		0.56	0.28	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Cobalt	14		0.28	0.074	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Copper	33		0.56	0.16	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Iron	20000		11	5.8	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Lead	15		0.28	0.13	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Magnesium	22000		5.6	2.8	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Manganese	330		0.56	0.082	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Nickel	37		0.56	0.16	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Potassium	3600		28	10	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Selenium	0.74		0.56	0.33	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Silver	2.4		0.28	0.073	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Sodium	470		56	8.3	mg/Kg	☼	10/16/19 09:03	10/18/19 12:21	1
Thallium	0.75		0.56	0.28	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Vanadium	19		0.28	0.066	mg/Kg	☼	10/16/19 09:03	10/17/19 22:01	1
Zinc	47		1.1	0.49	mg/Kg	☼	10/16/19 09:03	10/18/19 12:21	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 07:06	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/14/19 11:15	10/15/19 09:33	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.020	0.0066	mg/Kg	☼	10/10/19 15:20	10/11/19 09:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/10/19 11:03	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-54(4-10)-100819**

**Lab Sample ID: 500-171386-2**

Date Collected: 10/08/19 01:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 79.4

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00066	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00063	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00085	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
1,1-Dichloroethane	<0.0020		0.0020	0.00068	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
1,1-Dichloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00069	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
<b>Acetone</b>	<b>0.031</b>		0.020	0.0086	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Benzene	<0.0020		0.0020	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Bromoform	<0.0020		0.0020	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Bromomethane	<0.0049		0.0049	0.0019	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Carbon disulfide	<0.0049		0.0049	0.0010	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Carbon tetrachloride	<0.0020		0.0020	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Chlorobenzene	<0.0020		0.0020	0.00073	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Chloroethane	<0.0049 *		0.0049	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Chloroform	<0.0020		0.0020	0.00069	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Chloromethane	<0.0049		0.0049	0.0020	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Dibromochloromethane	<0.0020		0.0020	0.00065	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Ethylbenzene	<0.0020		0.0020	0.00095	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Methyl Ethyl Ketone	<0.0049		0.0049	0.0022	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
methyl isobutyl ketone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
<b>Methylene Chloride</b>	<b>0.0025 J</b>		0.0049	0.0019	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Styrene	<0.0020		0.0020	0.00060	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Tetrachloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Toluene	<0.0020		0.0020	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00088	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00069	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Trichloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Vinyl chloride	<0.0020		0.0020	0.00087	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1
Xylenes, Total	<0.0040		0.0040	0.00063	mg/Kg	☼	10/08/19 15:50	10/16/19 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/08/19 15:50	10/16/19 16:25	1
4-Bromofluorobenzene (Surr)	91		75 - 131	10/08/19 15:50	10/16/19 16:25	1
Dibromofluoromethane	103		75 - 126	10/08/19 15:50	10/16/19 16:25	1
Toluene-d8 (Surr)	95		75 - 124	10/08/19 15:50	10/16/19 16:25	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-54(4-10)-100819**

**Lab Sample ID: 500-171386-2**

Date Collected: 10/08/19 01:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 79.4

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.095	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
2,4-Dichlorophenol	<0.41		0.41	0.099	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
2,4-Dinitrophenol	<0.84		0.84	0.73	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
<b>2-Methylnaphthalene</b>	<b>0.029</b>	<b>J</b>	0.084	0.0077	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Acenaphthene	<0.041		0.041	0.0075	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Anthracene	<0.041		0.041	0.0070	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Benzo[a]pyrene	<0.041		0.041	0.0081	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Benzo[b]fluoranthene	<0.041		0.041	0.0090	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
<b>Chrysene</b>	<b>0.032</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
<b>Fluoranthene</b>	<b>0.012</b>	<b>J</b>	0.041	0.0077	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
<b>Fluorene</b>	<b>0.011</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Hexachlorobenzene	<0.084		0.084	0.0096	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-54(4-10)-100819**

**Lab Sample ID: 500-171386-2**

**Date Collected: 10/08/19 01:50**

**Matrix: Solid**

**Date Received: 10/08/19 15:00**

**Percent Solids: 79.4**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
<b>Phenanthrene</b>	<b>0.11</b>		0.041	0.0058	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1
<b>Pyrene</b>	<b>0.028</b>	<b>J</b>	0.041	0.0083	mg/Kg	☼	10/15/19 15:59	10/16/19 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	66		31 - 143	10/15/19 15:59	10/16/19 17:46	1
2-Fluorobiphenyl	84		43 - 145	10/15/19 15:59	10/16/19 17:46	1
2-Fluorophenol	93		31 - 166	10/15/19 15:59	10/16/19 17:46	1
Nitrobenzene-d5	66		37 - 147	10/15/19 15:59	10/16/19 17:46	1
Phenol-d5	87		30 - 153	10/15/19 15:59	10/16/19 17:46	1
Terphenyl-d14	98		42 - 157	10/15/19 15:59	10/16/19 17:46	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/15/19 09:08	10/16/19 16:30	1
<b>Barium</b>	<b>0.65</b>		0.50	0.050	mg/L		10/15/19 09:08	10/16/19 16:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:08	10/16/19 16:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:08	10/16/19 16:30	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:30	1
<b>Cobalt</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:30	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:30	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:08	10/16/19 16:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:08	10/16/19 16:30	1
<b>Manganese</b>	<b>2.0</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:30	1
<b>Nickel</b>	<b>0.049</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:30	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:08	10/16/19 16:30	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:30	1
<b>Zinc</b>	<b>0.043</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:08	10/16/19 16:30	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		10/14/19 08:28	10/15/19 16:42	1
Barium	<0.50		0.50	0.050	mg/L		10/14/19 08:28	10/15/19 16:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:28	10/15/19 16:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:28	10/15/19 16:42	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:42	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:42	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:42	1
<b>Iron</b>	<b>0.28</b>	<b>J</b>	0.40	0.20	mg/L		10/14/19 08:28	10/15/19 16:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:28	10/15/19 16:42	1
<b>Manganese</b>	<b>0.025</b>		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:42	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:42	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:28	10/15/19 16:42	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-54(4-10)-100819**

**Lab Sample ID: 500-171386-2**

Date Collected: 10/08/19 01:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 79.4

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:42	1
Zinc	0.085	J	0.50	0.020	mg/L		10/14/19 08:28	10/15/19 16:42	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.49	J B	1.2	0.23	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Arsenic	5.3		0.60	0.20	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Barium	48		0.60	0.068	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Beryllium	0.80		0.24	0.056	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Cadmium	0.099	J B	0.12	0.021	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Calcium	51000	B	120	20	mg/Kg	☼	10/16/19 09:03	10/18/19 12:45	10
Chromium	18		0.60	0.29	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Cobalt	14		0.30	0.078	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Copper	24		0.60	0.17	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Iron	18000		12	6.2	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Lead	12		0.30	0.14	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Magnesium	22000		6.0	3.0	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Manganese	340		0.60	0.086	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Nickel	36		0.60	0.17	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Potassium	4200		30	11	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Selenium	0.73		0.60	0.35	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Silver	2.6		0.30	0.077	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Sodium	460		60	8.8	mg/Kg	☼	10/16/19 09:03	10/18/19 12:41	1
Thallium	0.90		0.60	0.30	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Vanadium	22		0.30	0.070	mg/Kg	☼	10/16/19 09:03	10/17/19 22:05	1
Zinc	42		1.2	0.52	mg/Kg	☼	10/16/19 09:03	10/18/19 12:41	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 07:08	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/14/19 11:15	10/15/19 09:34	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	J	0.021	0.0069	mg/Kg	☼	10/10/19 15:20	10/11/19 09:13	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			10/10/19 11:07	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-54(4-10)-100819D**

**Lab Sample ID: 500-171386-3**

Date Collected: 10/08/19 01:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 86.7

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0021		0.0021	0.00069	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
1,1,2,2-Tetrachloroethane	<0.0021		0.0021	0.00066	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
1,1,2-Trichloroethane	<0.0021		0.0021	0.00089	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
1,1-Dichloroethane	<0.0021		0.0021	0.00071	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
1,1-Dichloroethene	<0.0021		0.0021	0.00071	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
1,2-Dichloroethane	<0.0052		0.0052	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
1,2-Dichloropropane	<0.0021		0.0021	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
1,3-Dichloropropene, Total	<0.0021		0.0021	0.00073	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
2-Hexanone	<0.0052		0.0052	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Acetone	<0.021		0.021	0.0090	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Benzene	<0.0021		0.0021	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Bromodichloromethane	<0.0021		0.0021	0.00042	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Bromoform	<0.0021		0.0021	0.00060	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Bromomethane	<0.0052		0.0052	0.0020	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Carbon disulfide	<0.0052		0.0052	0.0011	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Carbon tetrachloride	<0.0021		0.0021	0.00060	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Chlorobenzene	<0.0021		0.0021	0.00076	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Chloroethane	<0.0052 *		0.0052	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Chloroform	<0.0021		0.0021	0.00072	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Chloromethane	<0.0052		0.0052	0.0021	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
cis-1,2-Dichloroethene	<0.0021		0.0021	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
cis-1,3-Dichloropropene	<0.0021		0.0021	0.00062	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Dibromochloromethane	<0.0021		0.0021	0.00068	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Ethylbenzene	<0.0021		0.0021	0.00099	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Methyl Ethyl Ketone	<0.0052		0.0052	0.0023	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
methyl isobutyl ketone	<0.0052		0.0052	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Methyl tert-butyl ether	<0.0021		0.0021	0.00061	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Methylene Chloride	<0.0052		0.0052	0.0020	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Styrene	<0.0021		0.0021	0.00062	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Tetrachloroethene	<0.0021		0.0021	0.00070	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Toluene	<0.0021		0.0021	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
trans-1,2-Dichloroethene	<0.0021		0.0021	0.00092	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
trans-1,3-Dichloropropene	<0.0021		0.0021	0.00073	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Trichloroethene	<0.0021		0.0021	0.00070	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Vinyl chloride	<0.0021		0.0021	0.00092	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1
Xylenes, Total	<0.0041		0.0041	0.00066	mg/Kg	☼	10/08/19 15:50	10/16/19 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/08/19 15:50	10/16/19 16:51	1
4-Bromofluorobenzene (Surr)	89		75 - 131	10/08/19 15:50	10/16/19 16:51	1
Dibromofluoromethane	102		75 - 126	10/08/19 15:50	10/16/19 16:51	1
Toluene-d8 (Surr)	94		75 - 124	10/08/19 15:50	10/16/19 16:51	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-54(4-10)-100819D**

**Lab Sample ID: 500-171386-3**

Date Collected: 10/08/19 01:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 86.7

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
<b>2-Methylnaphthalene</b>	<b>0.032</b>	<b>J</b>	0.077	0.0070	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
<b>Acenaphthene</b>	<b>0.014</b>	<b>J</b>	0.038	0.0069	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
<b>Benzo[g,h,i]perylene</b>	<b>0.014</b>	<b>J</b>	0.038	0.012	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Carbazole	<0.19	*	0.19	0.096	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
<b>Chrysene</b>	<b>0.030</b>	<b>J</b>	0.038	0.010	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-54(4-10)-100819D**

**Lab Sample ID: 500-171386-3**

Date Collected: 10/08/19 01:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 86.7

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
<b>Phenanthrene</b>	<b>0.13</b>		0.038	0.0053	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	10/15/19 15:59	10/16/19 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	67		31 - 143	10/15/19 15:59	10/16/19 18:15	1
2-Fluorobiphenyl	77		43 - 145	10/15/19 15:59	10/16/19 18:15	1
2-Fluorophenol	90		31 - 166	10/15/19 15:59	10/16/19 18:15	1
Nitrobenzene-d5	67		37 - 147	10/15/19 15:59	10/16/19 18:15	1
Phenol-d5	85		30 - 153	10/15/19 15:59	10/16/19 18:15	1
Terphenyl-d14	97		42 - 157	10/15/19 15:59	10/16/19 18:15	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/15/19 09:08	10/16/19 16:35	1
<b>Barium</b>	<b>0.57</b>		0.50	0.050	mg/L		10/15/19 09:08	10/16/19 16:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:08	10/16/19 16:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:08	10/16/19 16:35	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:35	1
<b>Cobalt</b>	<b>0.016</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:35	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:35	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:08	10/16/19 16:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:08	10/16/19 16:35	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:35	1
<b>Nickel</b>	<b>0.044</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:35	1
<b>Selenium</b>	<b>0.023</b>	<b>J</b>	0.050	0.020	mg/L		10/15/19 09:08	10/16/19 16:35	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:35	1
<b>Zinc</b>	<b>0.081</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:08	10/16/19 16:35	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/19 08:28	10/15/19 16:46	1
Barium	<0.50		0.50	0.050	mg/L		10/14/19 08:28	10/15/19 16:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:28	10/15/19 16:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:28	10/15/19 16:46	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:46	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:46	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:46	1
Iron	<0.40		0.40	0.20	mg/L		10/14/19 08:28	10/15/19 16:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:28	10/15/19 16:46	1
<b>Manganese</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:46	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:46	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:28	10/15/19 16:46	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-54(4-10)-100819D**

**Lab Sample ID: 500-171386-3**

Date Collected: 10/08/19 01:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 86.7

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:46	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/19 08:28	10/15/19 16:46	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.43	J B	1.1	0.22	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Arsenic	8.0		0.57	0.20	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Barium	27		0.57	0.065	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Beryllium	0.57		0.23	0.053	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Cadmium	0.19	B	0.11	0.021	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Calcium	59000	B	110	19	mg/Kg	☼	10/16/19 09:03	10/18/19 12:53	10
Chromium	13		0.57	0.28	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Cobalt	14		0.29	0.075	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Copper	34		0.57	0.16	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Iron	20000		11	5.9	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Lead	14		0.29	0.13	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Magnesium	26000		5.7	2.8	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Manganese	410		0.57	0.083	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Nickel	36		0.57	0.17	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Potassium	2900		29	10	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Selenium	1.0		0.57	0.34	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Silver	2.0		0.29	0.074	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Sodium	270		57	8.5	mg/Kg	☼	10/16/19 09:03	10/18/19 12:49	1
Thallium	0.84		0.57	0.28	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Vanadium	16		0.29	0.067	mg/Kg	☼	10/16/19 09:03	10/17/19 22:09	1
Zinc	51		1.1	0.50	mg/Kg	☼	10/16/19 09:03	10/18/19 12:49	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 07:09	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/14/19 11:15	10/15/19 09:36	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.018	0.0061	mg/Kg	☼	10/10/19 15:20	10/11/19 09:15	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/10/19 11:12	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-54(10-15)-100819**

**Lab Sample ID: 500-171386-4**

**Date Collected: 10/08/19 02:05**

**Matrix: Solid**

**Date Received: 10/08/19 15:00**

**Percent Solids: 80.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
<b>Acetone</b>	<b>0.0086</b>	<b>J</b>	0.018	0.0079	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Chloroethane	<0.0045	*	0.0045	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/08/19 15:50	10/16/19 17:16	1
4-Bromofluorobenzene (Surr)	91		75 - 131	10/08/19 15:50	10/16/19 17:16	1
Dibromofluoromethane	101		75 - 126	10/08/19 15:50	10/16/19 17:16	1
Toluene-d8 (Surr)	94		75 - 124	10/08/19 15:50	10/16/19 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	<0.20		0.20	0.044	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-54(10-15)-100819**

**Lab Sample ID: 500-171386-4**

Date Collected: 10/08/19 02:05

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
2,4-Dichlorophenol	<0.40		0.40	0.097	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
<b>2-Methylnaphthalene</b>	<b>0.034</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.048	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Benzo[a]pyrene	<0.040		0.040	0.0079	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.042	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Fluoranthene	<0.040		0.040	0.0076	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-54(10-15)-100819**

**Lab Sample ID: 500-171386-4**

Date Collected: 10/08/19 02:05

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.011	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Naphthalene	<0.040		0.040	0.0063	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
<b>Phenanthrene</b>	<b>0.065</b>		0.040	0.0057	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1
Pyrene	<0.040		0.040	0.0081	mg/Kg	☼	10/15/19 15:59	10/16/19 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	46		31 - 143	10/15/19 15:59	10/16/19 18:44	1
2-Fluorobiphenyl	74		43 - 145	10/15/19 15:59	10/16/19 18:44	1
2-Fluorophenol	91		31 - 166	10/15/19 15:59	10/16/19 18:44	1
Nitrobenzene-d5	65		37 - 147	10/15/19 15:59	10/16/19 18:44	1
Phenol-d5	88		30 - 153	10/15/19 15:59	10/16/19 18:44	1
Terphenyl-d14	94		42 - 157	10/15/19 15:59	10/16/19 18:44	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/15/19 09:08	10/16/19 16:39	1
<b>Barium</b>	<b>0.67</b>		0.50	0.050	mg/L		10/15/19 09:08	10/16/19 16:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:08	10/16/19 16:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:08	10/16/19 16:39	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:39	1
<b>Cobalt</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:39	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:39	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:08	10/16/19 16:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:08	10/16/19 16:39	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:39	1
<b>Nickel</b>	<b>0.037</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:39	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:08	10/16/19 16:39	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:39	1
<b>Zinc</b>	<b>0.029</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:08	10/16/19 16:39	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/19 08:28	10/15/19 16:59	1
Barium	<0.50		0.50	0.050	mg/L		10/14/19 08:28	10/15/19 16:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:28	10/15/19 16:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:28	10/15/19 16:59	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:59	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:59	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:59	1
<b>Iron</b>	<b>0.78</b>		0.40	0.20	mg/L		10/14/19 08:28	10/15/19 16:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:28	10/15/19 16:59	1
<b>Manganese</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:59	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 16:59	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:28	10/15/19 16:59	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-54(10-15)-100819**

**Lab Sample ID: 500-171386-4**

Date Collected: 10/08/19 02:05

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.1

**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		10/14/19 08:28	10/15/19 16:59	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/19 08:28	10/15/19 16:59	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.45	J B	1.2	0.23	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Arsenic	7.3		0.59	0.20	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Barium	43		0.59	0.067	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Beryllium	0.77		0.24	0.055	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Cadmium	0.12	B	0.12	0.021	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Calcium	53000	B	120	20	mg/Kg	☼	10/16/19 09:03	10/18/19 13:01	10
Chromium	17		0.59	0.29	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Cobalt	14		0.29	0.077	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Copper	27		0.59	0.16	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Iron	20000		12	6.1	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Lead	12		0.29	0.14	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Magnesium	22000		5.9	2.9	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Manganese	340		0.59	0.085	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Nickel	36		0.59	0.17	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Potassium	3900		29	10	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Selenium	1.1		0.59	0.35	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Silver	2.7		0.29	0.076	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Sodium	250		59	8.7	mg/Kg	☼	10/16/19 09:03	10/18/19 12:57	1
Thallium	0.87		0.59	0.29	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Vanadium	22		0.29	0.069	mg/Kg	☼	10/16/19 09:03	10/17/19 22:14	1
Zinc	49		1.2	0.52	mg/Kg	☼	10/16/19 09:03	10/18/19 12:57	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 07:11	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/14/19 11:15	10/15/19 09:37	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.019	0.0064	mg/Kg	☼	10/10/19 15:20	10/11/19 09:17	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.2	0.2	SU			10/10/19 11:16	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-52(10-15)-100819**

**Lab Sample ID: 500-171386-5**

Date Collected: 10/08/19 02:20

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.7

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
1,1,2,2-Tetrachloroethane	<0.0017	*	0.0017	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
<b>Acetone</b>	<b>0.15</b>		0.017	0.0075	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Chloroethane	<0.0043	*	0.0043	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
<b>Tetrachloroethene</b>	<b>0.00097</b>	<b>J</b>	0.0017	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	10/08/19 15:50	10/16/19 17:42	1
4-Bromofluorobenzene (Surr)	93	*	75 - 131	10/08/19 15:50	10/16/19 17:42	1
Dibromofluoromethane	102		75 - 126	10/08/19 15:50	10/16/19 17:42	1
Toluene-d8 (Surr)	92		75 - 124	10/08/19 15:50	10/16/19 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	<0.20		0.20	0.043	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-52(10-15)-100819**

**Lab Sample ID: 500-171386-5**

Date Collected: 10/08/19 02:20

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.7

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
<b>2-Methylnaphthalene</b>	<b>0.058</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
<b>Acenaphthene</b>	<b>0.0092</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
<b>Chrysene</b>	<b>0.024</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
<b>Fluorene</b>	<b>0.0095</b>	<b>J</b>	0.040	0.0056	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-52(10-15)-100819**

**Lab Sample ID: 500-171386-5**

Date Collected: 10/08/19 02:20

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.7

**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	<0.040		0.040	0.010	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
<b>Naphthalene</b>	<b>0.016</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
<b>Phenanthrene</b>	<b>0.10</b>		0.040	0.0056	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
<b>Pyrene</b>	<b>0.021</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/15/19 15:59	10/16/19 19:13	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	68		31 - 143				10/15/19 15:59	10/16/19 19:13	1
<i>2-Fluorobiphenyl</i>	92		43 - 145				10/15/19 15:59	10/16/19 19:13	1
<i>2-Fluorophenol</i>	109		31 - 166				10/15/19 15:59	10/16/19 19:13	1
<i>Nitrobenzene-d5</i>	78		37 - 147				10/15/19 15:59	10/16/19 19:13	1
<i>Phenol-d5</i>	95		30 - 153				10/15/19 15:59	10/16/19 19:13	1
<i>Terphenyl-d14</i>	107		42 - 157				10/15/19 15:59	10/16/19 19:13	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/15/19 09:08	10/16/19 16:51	1
<b>Barium</b>	<b>0.53</b>		0.50	0.050	mg/L		10/15/19 09:08	10/16/19 16:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:08	10/16/19 16:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:08	10/16/19 16:51	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:51	1
<b>Cobalt</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:51	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:51	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:08	10/16/19 16:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:08	10/16/19 16:51	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:51	1
<b>Nickel</b>	<b>0.038</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:51	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:08	10/16/19 16:51	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:51	1
<b>Zinc</b>	<b>0.034</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:08	10/16/19 16:51	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		10/14/19 08:28	10/15/19 17:03	1
Barium	<0.50		0.50	0.050	mg/L		10/14/19 08:28	10/15/19 17:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:28	10/15/19 17:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:28	10/15/19 17:03	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:03	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:03	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:03	1
<b>Iron</b>	<b>0.38</b>	<b>J</b>	0.40	0.20	mg/L		10/14/19 08:28	10/15/19 17:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:28	10/15/19 17:03	1
<b>Manganese</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:03	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:03	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:28	10/15/19 17:03	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-52(10-15)-100819**

**Lab Sample ID: 500-171386-5**

Date Collected: 10/08/19 02:20

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 80.7

**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		10/14/19 08:28	10/15/19 17:03	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/19 08:28	10/15/19 17:03	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.57	J B	1.2	0.24	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Arsenic	7.1		0.60	0.21	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Barium	42		0.60	0.069	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Beryllium	0.74		0.24	0.056	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Cadmium	0.13	B	0.12	0.022	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Calcium	55000	B	120	20	mg/Kg	☼	10/16/19 09:03	10/18/19 13:09	10
Chromium	17		0.60	0.30	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Cobalt	14		0.30	0.079	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Copper	27		0.60	0.17	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Iron	20000		12	6.3	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Lead	13		0.30	0.14	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Magnesium	22000		6.0	3.0	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Manganese	350		0.60	0.088	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Nickel	37		0.60	0.18	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Potassium	3700		30	11	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Selenium	0.77		0.60	0.36	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Silver	2.6		0.30	0.078	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Sodium	550		60	8.9	mg/Kg	☼	10/16/19 09:03	10/18/19 13:05	1
Thallium	0.95		0.60	0.30	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Vanadium	21		0.30	0.071	mg/Kg	☼	10/16/19 09:03	10/17/19 22:18	1
Zinc	53		1.2	0.53	mg/Kg	☼	10/16/19 09:03	10/18/19 13:05	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 07:12	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/14/19 11:15	10/15/19 09:39	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.020	0.0065	mg/Kg	☼	10/10/19 15:20	10/11/19 09:20	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/10/19 11:21	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-52(10-15)-100819D**

**Lab Sample ID: 500-171386-6**

**Date Collected: 10/08/19 02:20**

**Matrix: Solid**

**Date Received: 10/08/19 15:00**

**Percent Solids: 81.5**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Acetone	<0.016		0.016	0.0071	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Carbon disulfide	<0.0041		0.0041	0.00085	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Chloroethane	<0.0041 *		0.0041	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Chloroform	<0.0016		0.0016	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00046	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Tetrachloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1
Xylenes, Total	<0.0033		0.0033	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	10/08/19 15:50	10/16/19 18:08	1
4-Bromofluorobenzene (Surr)	91		75 - 131	10/08/19 15:50	10/16/19 18:08	1
Dibromofluoromethane	103		75 - 126	10/08/19 15:50	10/16/19 18:08	1
Toluene-d8 (Surr)	96		75 - 124	10/08/19 15:50	10/16/19 18:08	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-52(10-15)-100819D**

**Lab Sample ID: 500-171386-6**

Date Collected: 10/08/19 02:20

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 81.5

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
2,4-Dichlorophenol	<0.40		0.40	0.097	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
<b>2-Methylnaphthalene</b>	<b>0.035</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
<b>Acenaphthene</b>	<b>0.012</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Benzo[a]pyrene	<0.040		0.040	0.0079	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
<b>Benzo[g,h,i]perylene</b>	<b>0.017</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
<b>Chrysene</b>	<b>0.021</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-52(10-15)-100819D**

**Lab Sample ID: 500-171386-6**

Date Collected: 10/08/19 02:20

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 81.5

### Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.011	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Naphthalene	<0.040		0.040	0.0063	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
<b>Phenanthrene</b>	<b>0.088</b>		0.040	0.0057	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Pyrene	<0.040		0.040	0.0081	mg/Kg	☼	10/15/19 15:59	10/16/19 14:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		31 - 143				10/15/19 15:59	10/16/19 14:21	1
2-Fluorobiphenyl	81		43 - 145				10/15/19 15:59	10/16/19 14:21	1
2-Fluorophenol	95		31 - 166				10/15/19 15:59	10/16/19 14:21	1
Nitrobenzene-d5	68		37 - 147				10/15/19 15:59	10/16/19 14:21	1
Phenol-d5	90		30 - 153				10/15/19 15:59	10/16/19 14:21	1
Terphenyl-d14	97		42 - 157				10/15/19 15:59	10/16/19 14:21	1

### Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/15/19 09:08	10/16/19 16:55	1
<b>Barium</b>	<b>0.50</b>		0.50	0.050	mg/L		10/15/19 09:08	10/16/19 16:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:08	10/16/19 16:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:08	10/16/19 16:55	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:55	1
<b>Cobalt</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:55	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:55	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:08	10/16/19 16:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:08	10/16/19 16:55	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:55	1
<b>Nickel</b>	<b>0.035</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:55	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:08	10/16/19 16:55	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 16:55	1
<b>Zinc</b>	<b>0.025</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:08	10/16/19 16:55	1

### Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/19 08:28	10/15/19 17:07	1
Barium	<0.50		0.50	0.050	mg/L		10/14/19 08:28	10/15/19 17:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:28	10/15/19 17:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:28	10/15/19 17:07	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:07	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:07	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:07	1
<b>Iron</b>	<b>0.29</b>	<b>J</b>	0.40	0.20	mg/L		10/14/19 08:28	10/15/19 17:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:28	10/15/19 17:07	1
<b>Manganese</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:07	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:07	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:28	10/15/19 17:07	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-52(10-15)-100819D**

**Lab Sample ID: 500-171386-6**

Date Collected: 10/08/19 02:20

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 81.5

**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		10/14/19 08:28	10/15/19 17:07	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/19 08:28	10/15/19 17:07	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.61	J B	1.2	0.23	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Arsenic	7.0		0.58	0.20	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Barium	40		0.58	0.066	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Beryllium	0.67		0.23	0.054	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Cadmium	0.14	B	0.12	0.021	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Calcium	52000	B	120	20	mg/Kg	☼	10/16/19 09:03	10/18/19 13:26	10
Chromium	16		0.58	0.29	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Cobalt	14		0.29	0.076	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Copper	28		0.58	0.16	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Iron	19000		12	6.0	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Lead	13		0.29	0.13	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Magnesium	22000		5.8	2.9	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Manganese	320		0.58	0.084	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Nickel	35		0.58	0.17	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Potassium	3600		29	10	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Selenium	0.83		0.58	0.34	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Silver	2.5		0.29	0.075	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Sodium	490		58	8.6	mg/Kg	☼	10/16/19 09:03	10/18/19 13:13	1
Thallium	0.70		0.58	0.29	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Vanadium	21		0.29	0.068	mg/Kg	☼	10/16/19 09:03	10/17/19 22:22	1
Zinc	50		1.2	0.51	mg/Kg	☼	10/16/19 09:03	10/18/19 13:13	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 07:33	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/14/19 11:15	10/15/19 09:41	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.019	0.0062	mg/Kg	☼	10/10/19 15:20	10/11/19 09:22	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/10/19 11:26	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-41(2-4)-100819**

**Lab Sample ID: 500-171386-7**

**Date Collected: 10/08/19 02:50**

**Matrix: Solid**

**Date Received: 10/08/19 15:00**

**Percent Solids: 86.3**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Acetone	<0.017		0.017	0.0073	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Chloroethane	<0.0042 *		0.0042	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	10/08/19 15:50	10/16/19 18:33	1
4-Bromofluorobenzene (Surr)	95		75 - 131	10/08/19 15:50	10/16/19 18:33	1
Dibromofluoromethane	105		75 - 126	10/08/19 15:50	10/16/19 18:33	1
Toluene-d8 (Surr)	94		75 - 124	10/08/19 15:50	10/16/19 18:33	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-41(2-4)-100819**

**Lab Sample ID: 500-171386-7**

Date Collected: 10/08/19 02:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 86.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
<b>2-Methylnaphthalene</b>	<b>0.012</b>	<b>J</b>	0.077	0.0070	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Carbazole	<0.19	*	0.19	0.095	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
<b>Chrysene</b>	<b>0.034</b>	<b>J</b>	0.038	0.010	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
<b>Fluoranthene</b>	<b>0.021</b>	<b>J</b>	0.038	0.0071	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-41(2-4)-100819**

**Lab Sample ID: 500-171386-7**

Date Collected: 10/08/19 02:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 86.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
<b>Phenanthrene</b>	<b>0.11</b>		0.038	0.0053	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1
<b>Pyrene</b>	<b>0.033</b>	<b>J</b>	0.038	0.0076	mg/Kg	☼	10/15/19 15:59	10/16/19 19:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	64		31 - 143	10/15/19 15:59	10/16/19 19:42	1
2-Fluorobiphenyl	81		43 - 145	10/15/19 15:59	10/16/19 19:42	1
2-Fluorophenol	99		31 - 166	10/15/19 15:59	10/16/19 19:42	1
Nitrobenzene-d5	73		37 - 147	10/15/19 15:59	10/16/19 19:42	1
Phenol-d5	92		30 - 153	10/15/19 15:59	10/16/19 19:42	1
Terphenyl-d14	97		42 - 157	10/15/19 15:59	10/16/19 19:42	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/15/19 09:08	10/16/19 17:00	1
<b>Barium</b>	<b>0.57</b>		0.50	0.050	mg/L		10/15/19 09:08	10/16/19 17:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:08	10/16/19 17:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:08	10/16/19 17:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:00	1
<b>Cobalt</b>	<b>0.031</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:00	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:00	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:08	10/16/19 17:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:08	10/16/19 17:00	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:00	1
<b>Nickel</b>	<b>0.064</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:08	10/16/19 17:00	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:00	1
<b>Zinc</b>	<b>0.038</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:08	10/16/19 17:00	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/19 08:28	10/15/19 17:11	1
Barium	<0.50		0.50	0.050	mg/L		10/14/19 08:28	10/15/19 17:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:28	10/15/19 17:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:28	10/15/19 17:11	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:11	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:11	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:11	1
Iron	<0.40		0.40	0.20	mg/L		10/14/19 08:28	10/15/19 17:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:28	10/15/19 17:11	1
<b>Manganese</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:11	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:11	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:28	10/15/19 17:11	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-41(2-4)-100819**

**Lab Sample ID: 500-171386-7**

Date Collected: 10/08/19 02:50

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 86.3

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:11	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/19 08:28	10/15/19 17:11	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.43	J	1.1	0.21	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Arsenic	9.5		0.54	0.18	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Barium	34		0.54	0.061	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Beryllium	0.54		0.21	0.050	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Cadmium	0.27	B	0.11	0.019	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Calcium	42000	B	110	18	mg/Kg	☼	10/16/19 17:09	10/18/19 10:04	10
Chromium	13		0.54	0.26	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Cobalt	16		0.27	0.070	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Copper	38		0.54	0.15	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Iron	20000		11	5.6	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Lead	17		0.27	0.12	mg/Kg	☼	10/16/19 17:09	10/18/19 10:01	1
Magnesium	22000		5.4	2.7	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Manganese	330		0.54	0.078	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Nickel	40		0.54	0.16	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Potassium	2800		27	9.5	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Selenium	<0.54	^	0.54	0.31	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Silver	1.9		0.27	0.069	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Sodium	620		54	7.9	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Thallium	2.1		0.54	0.27	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Vanadium	16		0.27	0.063	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1
Zinc	48	B	1.1	0.47	mg/Kg	☼	10/16/19 17:09	10/17/19 23:58	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 07:35	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/14/19 11:15	10/15/19 09:50	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.018	0.0061	mg/Kg	☼	10/10/19 15:20	10/11/19 09:24	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/10/19 11:30	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-42(2-4)-100819**

**Lab Sample ID: 500-171386-9**

**Date Collected: 10/08/19 03:05**

**Matrix: Solid**

**Date Received: 10/08/19 15:00**

**Percent Solids: 83.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
<b>Acetone</b>	<b>0.018</b>		0.017	0.0075	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Chloroethane	<0.0043 *		0.0043	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1
Xylenes, Total	<0.0035		0.0035	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 134	10/08/19 15:50	10/16/19 19:24	1
4-Bromofluorobenzene (Surr)	87		75 - 131	10/08/19 15:50	10/16/19 19:24	1
Dibromofluoromethane	105		75 - 126	10/08/19 15:50	10/16/19 19:24	1
Toluene-d8 (Surr)	94		75 - 124	10/08/19 15:50	10/16/19 19:24	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-42(2-4)-100819**

**Lab Sample ID: 500-171386-9**

Date Collected: 10/08/19 03:05

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 83.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
2,4-Dinitrophenol	<0.80		0.80	0.69	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>2-Methylnaphthalene</b>	<b>0.029</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Acenaphthene</b>	<b>0.033</b>	<b>J</b>	0.039	0.0071	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Acenaphthylene</b>	<b>0.19</b>		0.039	0.0052	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Anthracene</b>	<b>0.52</b>		0.039	0.0066	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Benzo[a]anthracene</b>	<b>1.4</b>		0.039	0.0053	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Benzo[a]pyrene</b>	<b>1.2</b>		0.039	0.0076	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Benzo[b]fluoranthene</b>	<b>1.6</b>		0.039	0.0085	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Benzo[g,h,i]perylene</b>	<b>0.25</b>		0.039	0.013	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Benzo[k]fluoranthene</b>	<b>0.65</b>		0.039	0.012	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Chrysene</b>	<b>1.2</b>		0.039	0.011	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Dibenz(a,h)anthracene</b>	<b>0.12</b>		0.039	0.0076	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Dibenzofuran</b>	<b>0.060</b>	<b>J</b>	0.20	0.046	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Fluorene</b>	<b>0.11</b>		0.039	0.0055	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
Hexachlorobenzene	<0.080		0.080	0.0091	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.33</b>		0.039	0.010	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-42(2-4)-100819**

**Lab Sample ID: 500-171386-9**

Date Collected: 10/08/19 03:05

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 83.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Naphthalene</b>	<b>0.049</b>		0.039	0.0061	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Phenanthrene</b>	<b>1.5</b>		0.039	0.0055	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Pyrene</b>	<b>2.2</b>		0.039	0.0078	mg/Kg	☼	10/15/19 15:59	10/16/19 20:41	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	58		31 - 143				10/15/19 15:59	10/16/19 20:41	1
2-Fluorobiphenyl	78		43 - 145				10/15/19 15:59	10/16/19 20:41	1
2-Fluorophenol	93		31 - 166				10/15/19 15:59	10/16/19 20:41	1
Nitrobenzene-d5	68		37 - 147				10/15/19 15:59	10/16/19 20:41	1
Phenol-d5	86		30 - 153				10/15/19 15:59	10/16/19 20:41	1
Terphenyl-d14	95		42 - 157				10/15/19 15:59	10/16/19 20:41	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluoranthene</b>	<b>3.0</b>		0.20	0.037	mg/Kg	☼	10/15/19 15:59	10/17/19 13:03	5

**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		10/15/19 09:08	10/16/19 17:08	1
<b>Barium</b>	<b>0.23</b>	<b>J</b>	0.50	0.050	mg/L		10/15/19 09:08	10/16/19 17:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:08	10/16/19 17:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:08	10/16/19 17:08	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:08	1
<b>Cobalt</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:08	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:08	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:08	10/16/19 17:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:08	10/16/19 17:08	1
<b>Manganese</b>	<b>2.3</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:08	1
<b>Nickel</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:08	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:08	10/16/19 17:08	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:08	1
<b>Zinc</b>	<b>0.089</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:08	10/16/19 17:08	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/19 08:28	10/15/19 17:20	1
Barium	<0.50		0.50	0.050	mg/L		10/14/19 08:28	10/15/19 17:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:28	10/15/19 17:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:28	10/15/19 17:20	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:20	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:20	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:20	1
Iron	<0.40		0.40	0.20	mg/L		10/14/19 08:28	10/15/19 17:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:28	10/15/19 17:20	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-42(2-4)-100819**

**Lab Sample ID: 500-171386-9**

Date Collected: 10/08/19 03:05

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 83.1

### Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.023	J	0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:20	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:20	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:28	10/15/19 17:20	1
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:20	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/19 08:28	10/15/19 17:20	1

### Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.63	J B	1.1	0.22	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Arsenic	4.1		0.57	0.20	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Barium	35		0.57	0.065	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Beryllium	0.74		0.23	0.053	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Cadmium	0.11	B	0.11	0.021	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Calcium	28000	B	11	1.9	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Chromium	18		0.57	0.28	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Cobalt	16		0.29	0.075	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Copper	35		0.57	0.16	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Iron	20000		11	5.9	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Lead	18		0.29	0.13	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Magnesium	17000		5.7	2.8	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Manganese	280		0.57	0.083	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Nickel	40		0.57	0.17	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Potassium	3600		29	10	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Selenium	0.75		0.57	0.34	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Silver	3.0		0.29	0.074	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Sodium	400		57	8.5	mg/Kg	☼	10/16/19 09:03	10/18/19 13:38	1
Thallium	0.85		0.57	0.29	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Vanadium	21		0.29	0.067	mg/Kg	☼	10/16/19 09:03	10/17/19 22:30	1
Zinc	52		1.1	0.50	mg/Kg	☼	10/16/19 09:03	10/18/19 13:38	1

### Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 08:04	1

### Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/14/19 11:15	10/15/19 09:53	1

### Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.019	0.0065	mg/Kg	☼	10/10/19 15:20	10/11/19 09:32	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/10/19 11:44	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-42(2-4)-100819D**

**Lab Sample ID: 500-171386-10**

**Date Collected: 10/08/19 03:05**

**Matrix: Solid**

**Date Received: 10/08/19 15:00**

**Percent Solids: 86.7**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Acetone	<0.017		0.017	0.0073	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Chloroethane	<0.0042 *		0.0042	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/08/19 15:50	10/16/19 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/08/19 15:50	10/16/19 19:50	1
4-Bromofluorobenzene (Surr)	91		75 - 131	10/08/19 15:50	10/16/19 19:50	1
Dibromofluoromethane	103		75 - 126	10/08/19 15:50	10/16/19 19:50	1
Toluene-d8 (Surr)	94		75 - 124	10/08/19 15:50	10/16/19 19:50	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-42(2-4)-100819D**

**Lab Sample ID: 500-171386-10**

Date Collected: 10/08/19 03:05

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 86.7

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>2-Methylnaphthalene</b>	<b>0.015</b>	<b>J</b>	0.077	0.0070	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.30	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>Acenaphthene</b>	<b>0.0089</b>	<b>J</b>	0.038	0.0068	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>Acenaphthylene</b>	<b>0.012</b>	<b>J</b>	0.038	0.0050	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>Anthracene</b>	<b>0.023</b>	<b>J</b>	0.038	0.0063	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>Benzo[a]anthracene</b>	<b>0.085</b>		0.038	0.0051	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>Benzo[a]pyrene</b>	<b>0.094</b>		0.038	0.0073	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>Benzo[b]fluoranthene</b>	<b>0.12</b>		0.038	0.0082	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>Benzo[g,h,i]perylene</b>	<b>0.034</b>	<b>J</b>	0.038	0.012	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>Benzo[k]fluoranthene</b>	<b>0.051</b>		0.038	0.011	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Carbazole	<0.19	*	0.19	0.095	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>Chrysene</b>	<b>0.097</b>		0.038	0.010	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>Fluoranthene</b>	<b>0.18</b>		0.038	0.0070	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>Fluorene</b>	<b>0.011</b>	<b>J</b>	0.038	0.0053	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.027</b>	<b>J</b>	0.038	0.0098	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-42(2-4)-100819D**

**Lab Sample ID: 500-171386-10**

Date Collected: 10/08/19 03:05

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 86.7

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>Naphthalene</b>	<b>0.011</b>	<b>J</b>	0.038	0.0058	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.046	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>Phenanthrene</b>	<b>0.16</b>		0.038	0.0053	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>Pyrene</b>	<b>0.15</b>		0.038	0.0075	mg/Kg	☼	10/15/19 15:59	10/16/19 21:10	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	72		31 - 143				10/15/19 15:59	10/16/19 21:10	1
2-Fluorobiphenyl	81		43 - 145				10/15/19 15:59	10/16/19 21:10	1
2-Fluorophenol	98		31 - 166				10/15/19 15:59	10/16/19 21:10	1
Nitrobenzene-d5	68		37 - 147				10/15/19 15:59	10/16/19 21:10	1
Phenol-d5	83		30 - 153				10/15/19 15:59	10/16/19 21:10	1
Terphenyl-d14	93		42 - 157				10/15/19 15:59	10/16/19 21:10	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Bis(2-ethylhexyl) phthalate</b>	<b>5.0</b>		0.38	0.14	mg/Kg	☼	10/15/19 15:59	10/17/19 13:30	2

**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		10/15/19 09:08	10/16/19 17:12	1
<b>Barium</b>	<b>0.12</b>	<b>J</b>	0.50	0.050	mg/L		10/15/19 09:08	10/16/19 17:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:08	10/16/19 17:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:08	10/16/19 17:12	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:12	1
<b>Cobalt</b>	<b>0.033</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:12	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:12	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:08	10/16/19 17:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:08	10/16/19 17:12	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:12	1
<b>Nickel</b>	<b>0.039</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:12	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:08	10/16/19 17:12	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:12	1
<b>Zinc</b>	<b>0.046</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:08	10/16/19 17:12	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/19 08:28	10/15/19 17:24	1
Barium	<0.50		0.50	0.050	mg/L		10/14/19 08:28	10/15/19 17:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:28	10/15/19 17:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:28	10/15/19 17:24	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:24	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:24	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:24	1
Iron	<0.40		0.40	0.20	mg/L		10/14/19 08:28	10/15/19 17:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:28	10/15/19 17:24	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

**Client Sample ID: ROW-42(2-4)-100819D**

**Lab Sample ID: 500-171386-10**

Date Collected: 10/08/19 03:05

Matrix: Solid

Date Received: 10/08/19 15:00

Percent Solids: 86.7

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Manganese</b>	<b>0.032</b>		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:24	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:24	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:28	10/15/19 17:24	1
Silver	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:24	1
<b>Zinc</b>	<b>0.089</b>	<b>J</b>	0.50	0.020	mg/L		10/14/19 08:28	10/15/19 17:24	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.60</b>	<b>J B</b>	1.1	0.22	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Arsenic</b>	<b>7.3</b>		0.57	0.19	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Barium</b>	<b>40</b>		0.57	0.065	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Beryllium</b>	<b>0.71</b>		0.23	0.053	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Cadmium</b>	<b>0.13</b>	<b>B</b>	0.11	0.020	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Calcium</b>	<b>45000</b>	<b>B</b>	110	19	mg/Kg	☼	10/16/19 09:03	10/18/19 13:42	10
<b>Chromium</b>	<b>15</b>		0.57	0.28	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Cobalt</b>	<b>15</b>		0.28	0.074	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Copper</b>	<b>30</b>		0.57	0.16	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Iron</b>	<b>19000</b>		11	5.9	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Lead</b>	<b>18</b>		0.28	0.13	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Magnesium</b>	<b>20000</b>		5.7	2.8	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Manganese</b>	<b>320</b>		0.57	0.082	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Nickel</b>	<b>38</b>		0.57	0.16	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Potassium</b>	<b>3400</b>		28	10	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Selenium</b>	<b>0.69</b>		0.57	0.33	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Silver</b>	<b>2.4</b>		0.28	0.073	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Sodium</b>	<b>540</b>		57	8.4	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Thallium</b>	<b>0.72</b>		0.57	0.28	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Vanadium</b>	<b>19</b>		0.28	0.067	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1
<b>Zinc</b>	<b>59</b>		1.1	0.50	mg/Kg	☼	10/16/19 09:03	10/17/19 22:42	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 08:06	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/14/19 11:15	10/15/19 09:55	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.027</b>		0.018	0.0060	mg/Kg	☼	10/10/19 15:20	10/11/19 09:34	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.8</b>		0.2	0.2	SU			10/10/19 11:54	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171386-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	ISTD response or retention time outside acceptable 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.
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.
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 - Circle Interchange-WO 003

Job ID: 500-171386-1

## 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	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

# TestAmerica

THE LEADER IN ENVIRONMENTAL T

2417 Bond Street, University Park, IL 6048  
Phone: 708.534.5200 Fax: 708.534.5



500-171386 COC

Report To (optional)  
Contact: Anders Sjogren  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: STATE  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171386

Chain of Custody Number: \_\_\_\_\_

Page 3 of 3

Temperature °C of Cooler 35, 18, 37, 4.5

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
<u>Weston</u>		<u>02056.016.003</u>									
Project Name		Lab Project #		# of Containers		Matrix		Matrix		Comments	
<u>DDOT 90/94</u>											
Project Location/State		Lab PM		Date		Time		Matrix		Comments	
<u>Chicago, IL</u>											
Sampler		Sample ID		Date		Time		Matrix		Comments	
<u>C. Perez + M. Delvin</u>											
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	Matrix	Matrix	Matrix	Matrix	Comments
<u>1</u>		<u>ROW-54(3-4)-100819</u>	<u>10/8/19</u>	<u>0146</u>	<u>6</u>	<u>S</u>	<u>ROCS</u>	<u>SUOCS</u>	<u>TOTAL metals</u>	<u>THAL</u>	<u>PH</u>
<u>2</u>		<u>ROW-54(4-10)-100819</u>		<u>0150</u>							
<u>3</u>		<u>ROW-54(4-10)-100819</u>		<u>0150</u>							
<u>4</u>		<u>ROW-54(10-15)-100819</u>		<u>0205</u>							
<u>5</u>		<u>ROW-52(10-15)-100819</u>		<u>0220</u>							
<u>6</u>		<u>ROW-52(10-15)-100819</u>		<u>0220</u>							
<u>7</u>		<u>ROW-41(2-4)-100819</u>		<u>0250</u>							
<u>8</u>		<u>ROW-40(0-4)-100819</u>		<u>0300</u>							
<u>9</u>		<u>ROW-42(2-4)-100819</u>		<u>0305</u>							
<u>10</u>		<u>ROW-42(2-4)-100819</u>		<u>0305</u>							

Turnaround Time Required (Business Days)  
 1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other  
 Requested Due Date \_\_\_\_\_

Sample Disposal  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u> Company: <u>WS</u> Date: <u>10/8/19</u> Time: <u>1405</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/8/19</u> Time: <u>1405</u>	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/8/19</u> Time: <u>1500</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/8/19</u> Time: <u>1500</u>	Shipped _____
Relinquished By _____ Company: _____ Date: _____ Time: _____	Received By _____ Company: _____ Date: _____ Time: _____	Hand Delivered _____

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

## ANALYTICAL REPORT

Eurofins TestAmerica, Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

Laboratory Job ID: 500-171471-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

Weston Solutions, Inc.  
300 Plaza Circle, Suite 202  
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers



Authorized for release by:  
10/21/2019 1:43:01 PM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-14(4-10)-100819**

**Lab Sample ID: 500-171471-1**

**Date Collected: 10/08/19 23:00**

**Matrix: Solid**

**Date Received: 10/09/19 15:25**

**Percent Solids: 85.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Acetone	<0.017		0.017	0.0073	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Chloroethane	<0.0042 *		0.0042	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Methylene Chloride	<0.0042		0.0042	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/09/19 17:33	10/17/19 14:36	1
4-Bromofluorobenzene (Surr)	95		75 - 131	10/09/19 17:33	10/17/19 14:36	1
Dibromofluoromethane	102		75 - 126	10/09/19 17:33	10/17/19 14:36	1
Toluene-d8 (Surr)	93		75 - 124	10/09/19 17:33	10/17/19 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	<0.19		0.19	0.042	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-14(4-10)-100819**

**Lab Sample ID: 500-171471-1**

Date Collected: 10/08/19 23:00

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 85.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
2,4-Dichlorophenol	<0.38	F1	0.38	0.092	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
2,4-Dinitrophenol	<0.78	F1	0.78	0.68	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
<b>2-Methylnaphthalene</b>	<b>0.019</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
4,6-Dinitro-2-methylphenol	<0.78	F1	0.78	0.31	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
4-Nitrophenol	<0.78	F1 F2	0.78	0.37	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
<b>Acenaphthene</b>	<b>0.015</b>	<b>J</b>	0.038	0.0069	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Benzo[a]pyrene	<0.038		0.038	0.0075	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Benzo[g,h,i]perylene	<0.038	F1	0.038	0.012	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Carbazole	<0.19	* F1	0.19	0.096	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
<b>Chrysene</b>	<b>0.033</b>	<b>J</b>	0.038	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Dibenz(a,h)anthracene	<0.038	F1	0.038	0.0074	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Hexachlorocyclopentadiene	<0.78	F1	0.78	0.22	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Hexachloroethane	<0.19	F1	0.19	0.059	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-14(4-10)-100819**

**Lab Sample ID: 500-171471-1**

Date Collected: 10/08/19 23:00

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 85.1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038	F1	0.038	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
<b>Naphthalene</b>	<b>0.011</b>	<b>J</b>	0.038	0.0059	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
<b>N-Nitrosodiphenylamine</b>	<b>0.049</b>	<b>J</b>	0.19	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
<b>Phenanthrene</b>	<b>0.14</b>		0.038	0.0054	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
<b>Pyrene</b>	<b>0.025</b>	<b>J</b>	0.038	0.0077	mg/Kg	☼	10/16/19 16:34	10/17/19 19:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	65		31 - 143				10/16/19 16:34	10/17/19 19:39	1
2-Fluorobiphenyl	86		43 - 145				10/16/19 16:34	10/17/19 19:39	1
2-Fluorophenol	115		31 - 166				10/16/19 16:34	10/17/19 19:39	1
Nitrobenzene-d5	77		37 - 147				10/16/19 16:34	10/17/19 19:39	1
Phenol-d5	97		30 - 153				10/16/19 16:34	10/17/19 19:39	1
Terphenyl-d14	89		42 - 157				10/16/19 16:34	10/17/19 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		10/16/19 15:19	10/17/19 15:59	1
<b>Barium</b>	<b>0.44</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 15:19	10/17/19 15:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:19	10/17/19 15:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:19	10/17/19 15:59	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 15:59	1
<b>Cobalt</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/18/19 19:53	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 15:59	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:19	10/17/19 15:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:19	10/18/19 19:53	1
<b>Manganese</b>	<b>1.3</b>		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 15:59	1
<b>Nickel</b>	<b>0.032</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 19:53	1
<b>Selenium</b>	<b>0.020</b>	<b>J</b>	0.050	0.020	mg/L		10/16/19 15:19	10/17/19 15:59	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 15:59	1
Zinc	<0.50		0.50	0.020	mg/L		10/16/19 15:19	10/17/19 15:59	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		10/16/19 10:49	10/17/19 13:50	1
Barium	<0.50		0.50	0.050	mg/L		10/16/19 10:49	10/17/19 13:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:49	10/17/19 13:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:49	10/17/19 13:50	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 13:50	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 13:50	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 13:50	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 10:49	10/17/19 13:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:49	10/17/19 13:50	1
Manganese	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 13:50	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 13:50	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:49	10/17/19 13:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-14(4-10)-100819**

**Lab Sample ID: 500-171471-1**

Date Collected: 10/08/19 23:00

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 85.1

**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		10/16/19 10:49	10/17/19 13:50	1
Zinc	<0.50		0.50	0.020	mg/L		10/16/19 10:49	10/17/19 13:50	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.58	J B	1.2	0.23	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Arsenic	6.5		0.58	0.20	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Barium	32		0.58	0.066	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Beryllium	0.68		0.23	0.054	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Cadmium	0.13	B	0.12	0.021	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Calcium	58000	B	120	20	mg/Kg	☼	10/17/19 09:25	10/20/19 13:29	10
Chromium	15		0.58	0.29	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Cobalt	13		0.29	0.076	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Copper	30		0.58	0.16	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Iron	18000		12	6.0	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Lead	13		0.29	0.13	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Magnesium	24000		5.8	2.9	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Manganese	370		0.58	0.084	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Nickel	33		0.58	0.17	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Potassium	3600		29	10	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Selenium	0.46	J	0.58	0.34	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Silver	2.4		0.29	0.075	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Sodium	500		58	8.6	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Thallium	0.72		0.58	0.29	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Vanadium	19		0.29	0.068	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1
Zinc	43		1.2	0.51	mg/Kg	☼	10/17/19 09:25	10/18/19 15:03	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:37	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 09:30	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.018	0.0060	mg/Kg	☼	10/14/19 15:15	10/15/19 07:14	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/10/19 16:28	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-14(10-15)-100819**

**Lab Sample ID: 500-171471-2**

Date Collected: 10/08/19 23:05

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.8

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Chloroethane	<0.0043 *		0.0043	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 15:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/09/19 17:33	10/17/19 15:27	1
4-Bromofluorobenzene (Surr)	89		75 - 131	10/09/19 17:33	10/17/19 15:27	1
Dibromofluoromethane	101		75 - 126	10/09/19 17:33	10/17/19 15:27	1
Toluene-d8 (Surr)	93		75 - 124	10/09/19 17:33	10/17/19 15:27	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-14(10-15)-100819**

**Lab Sample ID: 500-171471-2**

Date Collected: 10/08/19 23:05

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.8

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
<b>2-Methylnaphthalene</b>	<b>0.033</b>	<b>J</b>	0.082	0.0074	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
4-Nitrophenol	<0.82		0.82	0.38	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
<b>Acenaphthene</b>	<b>0.014</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
<b>Benzo[g,h,i]perylene</b>	<b>0.014</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
<b>Chrysene</b>	<b>0.028</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
<b>Fluorene</b>	<b>0.0093</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-14(10-15)-100819**

**Lab Sample ID: 500-171471-2**

Date Collected: 10/08/19 23:05

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.8

**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	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
<b>Naphthalene</b>	<b>0.013</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
<b>Phenanthrene</b>	<b>0.12</b>		0.040	0.0056	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1
<b>Pyrene</b>	<b>0.023</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/16/19 16:34	10/17/19 20:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	54		31 - 143	10/16/19 16:34	10/17/19 20:08	1
2-Fluorobiphenyl	84		43 - 145	10/16/19 16:34	10/17/19 20:08	1
2-Fluorophenol	120		31 - 166	10/16/19 16:34	10/17/19 20:08	1
Nitrobenzene-d5	74		37 - 147	10/16/19 16:34	10/17/19 20:08	1
Phenol-d5	99		30 - 153	10/16/19 16:34	10/17/19 20:08	1
Terphenyl-d14	86		42 - 157	10/16/19 16:34	10/17/19 20:08	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 15:19	10/17/19 16:03	1
<b>Barium</b>	<b>0.46</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 15:19	10/17/19 16:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:19	10/17/19 16:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:19	10/17/19 16:03	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:03	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 19:57	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:03	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:19	10/17/19 16:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:19	10/18/19 19:57	1
<b>Manganese</b>	<b>1.3</b>		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:03	1
<b>Nickel</b>	<b>0.032</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 19:57	1
<b>Selenium</b>	<b>0.024</b>	<b>J</b>	0.050	0.020	mg/L		10/16/19 15:19	10/17/19 16:03	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:03	1
Zinc	<0.50		0.50	0.020	mg/L		10/16/19 15:19	10/17/19 16:03	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		10/16/19 10:49	10/17/19 13:54	1
Barium	<0.50		0.50	0.050	mg/L		10/16/19 10:49	10/17/19 13:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:49	10/17/19 13:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:49	10/17/19 13:54	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 13:54	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 13:54	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 13:54	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 10:49	10/17/19 13:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:49	10/17/19 13:54	1
Manganese	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 13:54	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 13:54	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:49	10/17/19 13:54	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-14(10-15)-100819**

**Lab Sample ID: 500-171471-2**

Date Collected: 10/08/19 23:05

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.8

**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		10/16/19 10:49	10/17/19 13:54	1
Zinc	0.027	J B	0.50	0.020	mg/L		10/16/19 10:49	10/17/19 13:54	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.59	J B	1.1	0.22	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Arsenic	7.2		0.57	0.20	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Barium	34		0.57	0.065	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Beryllium	0.68		0.23	0.054	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Cadmium	0.19	B	0.11	0.021	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Calcium	70000	B	110	19	mg/Kg	☼	10/17/19 09:25	10/20/19 13:33	10
Chromium	14		0.57	0.28	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Cobalt	12		0.29	0.075	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Copper	29		0.57	0.16	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Iron	18000		11	6.0	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Lead	13		0.29	0.13	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Magnesium	30000		5.7	2.8	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Manganese	330		0.57	0.083	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Nickel	32		0.57	0.17	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Potassium	3500		29	10	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Selenium	0.63		0.57	0.34	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Silver	2.3		0.29	0.074	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Sodium	230		57	8.5	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Thallium	0.62		0.57	0.29	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Vanadium	19		0.29	0.068	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1
Zinc	45		1.1	0.50	mg/Kg	☼	10/17/19 09:25	10/18/19 15:15	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:42	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 09:32	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.020	0.0065	mg/Kg	☼	10/14/19 15:15	10/15/19 07:16	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.2	0.2	SU			10/10/19 16:33	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-18(3-4)-100819**

**Lab Sample ID: 500-171471-3**

Date Collected: 10/08/19 23:20

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 86.3

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00062	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
1,1-Dichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
1,1-Dichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Acetone	<0.015		0.015	0.0063	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Benzene	<0.0015		0.0015	0.00037	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Bromoform	<0.0015		0.0015	0.00042	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Bromomethane	<0.0036		0.0036	0.0014	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Carbon disulfide	<0.0036		0.0036	0.00076	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Carbon tetrachloride	<0.0015		0.0015	0.00042	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Chlorobenzene	<0.0015		0.0015	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Chloroethane	<0.0036 *		0.0036	0.0011	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Chloromethane	<0.0036		0.0036	0.0015	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00044	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Ethylbenzene	<0.0015		0.0015	0.00070	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Styrene	<0.0015		0.0015	0.00044	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00064	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Trichloroethene	<0.0015		0.0015	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Vinyl chloride	<0.0015		0.0015	0.00064	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1
Xylenes, Total	<0.0029		0.0029	0.00047	mg/Kg	☼	10/09/19 17:33	10/17/19 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/09/19 17:33	10/17/19 15:53	1
4-Bromofluorobenzene (Surr)	98		75 - 131	10/09/19 17:33	10/17/19 15:53	1
Dibromofluoromethane	104		75 - 126	10/09/19 17:33	10/17/19 15:53	1
Toluene-d8 (Surr)	91		75 - 124	10/09/19 17:33	10/17/19 15:53	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-18(3-4)-100819**

**Lab Sample ID: 500-171471-3**

Date Collected: 10/08/19 23:20

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 86.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.086	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
<b>2-Methylnaphthalene</b>	<b>0.025</b>	<b>J</b>	0.076	0.0070	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Carbazole	<0.19	*	0.19	0.095	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-18(3-4)-100819**

**Lab Sample ID: 500-171471-3**

Date Collected: 10/08/19 23:20

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 86.3

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0098	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
<b>Phenanthrene</b>	<b>0.062</b>		0.038	0.0053	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1
<b>Pyrene</b>	<b>0.011</b>	<b>J</b>	0.038	0.0075	mg/Kg	☼	10/16/19 16:34	10/17/19 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	55		31 - 143	10/16/19 16:34	10/17/19 15:16	1
2-Fluorobiphenyl	85		43 - 145	10/16/19 16:34	10/17/19 15:16	1
2-Fluorophenol	92		31 - 166	10/16/19 16:34	10/17/19 15:16	1
Nitrobenzene-d5	73		37 - 147	10/16/19 16:34	10/17/19 15:16	1
Phenol-d5	85		30 - 153	10/16/19 16:34	10/17/19 15:16	1
Terphenyl-d14	87		42 - 157	10/16/19 16:34	10/17/19 15:16	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		10/16/19 15:19	10/17/19 16:07	1
<b>Barium</b>	<b>0.50</b>		0.50	0.050	mg/L		10/16/19 15:19	10/17/19 16:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:19	10/17/19 16:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:19	10/17/19 16:07	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:07	1
<b>Cobalt</b>	<b>0.016</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/18/19 20:02	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:07	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:19	10/17/19 16:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:19	10/18/19 20:02	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:07	1
<b>Nickel</b>	<b>0.044</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 20:02	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:19	10/17/19 16:07	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:07	1
Zinc	<0.50		0.50	0.020	mg/L		10/16/19 15:19	10/17/19 16:07	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		10/16/19 10:49	10/17/19 14:06	1
<b>Barium</b>	<b>0.19</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 10:49	10/17/19 14:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:49	10/17/19 14:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:49	10/17/19 14:06	1
<b>Chromium</b>	<b>0.055</b>		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:06	1
<b>Cobalt</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:06	1
<b>Copper</b>	<b>0.031</b>		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:06	1
<b>Iron</b>	<b>32</b>		0.40	0.20	mg/L		10/16/19 10:49	10/17/19 14:06	1
<b>Lead</b>	<b>0.010</b>		0.0075	0.0075	mg/L		10/16/19 10:49	10/17/19 14:06	1
<b>Manganese</b>	<b>0.30</b>		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:06	1
<b>Nickel</b>	<b>0.046</b>		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:06	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:49	10/17/19 14:06	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-18(3-4)-100819**

**Lab Sample ID: 500-171471-3**

Date Collected: 10/08/19 23:20

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 86.3

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:06	1
<b>Zinc</b>	<b>0.75</b>	<b>B</b>	0.50	0.020	mg/L		10/16/19 10:49	10/17/19 14:06	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.39</b>	<b>J B</b>	1.1	0.22	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Arsenic</b>	<b>7.7</b>		0.57	0.19	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Barium</b>	<b>38</b>		0.57	0.065	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Beryllium</b>	<b>0.68</b>		0.23	0.053	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Cadmium</b>	<b>0.15</b>	<b>B</b>	0.11	0.020	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Calcium</b>	<b>74000</b>	<b>B</b>	110	19	mg/Kg	☼	10/17/19 09:25	10/20/19 13:37	10
<b>Chromium</b>	<b>14</b>		0.57	0.28	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Cobalt</b>	<b>13</b>		0.28	0.074	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Copper</b>	<b>28</b>		0.57	0.16	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Iron</b>	<b>18000</b>		11	5.9	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Lead</b>	<b>16</b>		0.28	0.13	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Magnesium</b>	<b>33000</b>		5.7	2.8	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Manganese</b>	<b>280</b>		0.57	0.082	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Nickel</b>	<b>32</b>		0.57	0.16	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Potassium</b>	<b>3400</b>		28	10	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Silver</b>	<b>2.2</b>		0.28	0.073	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Sodium</b>	<b>1700</b>		57	8.4	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Thallium</b>	<b>0.79</b>		0.57	0.28	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Vanadium</b>	<b>18</b>		0.28	0.067	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1
<b>Zinc</b>	<b>45</b>		1.1	0.50	mg/Kg	☼	10/17/19 09:25	10/18/19 15:20	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:44	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 09:33	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.022</b>		0.017	0.0058	mg/Kg	☼	10/14/19 15:15	10/15/19 07:19	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.7</b>		0.2	0.2	SU			10/10/19 16:37	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-18(4-10)-100819**

**Lab Sample ID: 500-171471-4**

**Date Collected: 10/08/19 23:25**

**Matrix: Solid**

**Date Received: 10/09/19 15:25**

**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	<0.0017		0.0017	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Acetone	<0.017		0.017	0.0073	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Chloroethane	<0.0042 *		0.0042	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/09/19 17:33	10/17/19 16:19	1
4-Bromofluorobenzene (Surr)	91		75 - 131	10/09/19 17:33	10/17/19 16:19	1
Dibromofluoromethane	103		75 - 126	10/09/19 17:33	10/17/19 16:19	1
Toluene-d8 (Surr)	93		75 - 124	10/09/19 17:33	10/17/19 16:19	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-18(4-10)-100819**

**Lab Sample ID: 500-171471-4**

Date Collected: 10/08/19 23:25

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 82.9

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
2,4-Dinitrophenol	<0.81		0.81	0.70	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
<b>2-Methylnaphthalene</b>	<b>0.026</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
<b>Acenaphthene</b>	<b>0.0089</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
<b>Benzo[g,h,i]perylene</b>	<b>0.015</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
<b>Chrysene</b>	<b>0.021</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
<b>Fluorene</b>	<b>0.0060</b>	<b>J</b>	0.040	0.0056	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-18(4-10)-100819**

**Lab Sample ID: 500-171471-4**

Date Collected: 10/08/19 23:25

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 82.9

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
<b>Naphthalene</b>	<b>0.010</b>	<b>J</b>	0.040	0.0061	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
<b>Phenanthrene</b>	<b>0.10</b>		0.040	0.0056	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1
<b>Pyrene</b>	<b>0.017</b>	<b>J</b>	0.040	0.0079	mg/Kg	☼	10/16/19 16:34	10/17/19 16:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	33		31 - 143	10/16/19 16:34	10/17/19 16:14	1
2-Fluorobiphenyl	78		43 - 145	10/16/19 16:34	10/17/19 16:14	1
2-Fluorophenol	86		31 - 166	10/16/19 16:34	10/17/19 16:14	1
Nitrobenzene-d5	70		37 - 147	10/16/19 16:34	10/17/19 16:14	1
Phenol-d5	79		30 - 153	10/16/19 16:34	10/17/19 16:14	1
Terphenyl-d14	82		42 - 157	10/16/19 16:34	10/17/19 16:14	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 15:19	10/17/19 16:12	1
<b>Barium</b>	<b>0.53</b>		0.50	0.050	mg/L		10/16/19 15:19	10/17/19 16:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:19	10/17/19 16:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:19	10/17/19 16:12	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:12	1
<b>Cobalt</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/18/19 20:06	1
<b>Copper</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:12	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:19	10/17/19 16:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:19	10/18/19 20:06	1
<b>Manganese</b>	<b>1.4</b>		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:12	1
<b>Nickel</b>	<b>0.046</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 20:06	1
<b>Selenium</b>	<b>0.020</b>	<b>J</b>	0.050	0.020	mg/L		10/16/19 15:19	10/17/19 16:12	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:12	1
Zinc	<0.50		0.50	0.020	mg/L		10/16/19 15:19	10/17/19 16:12	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 10:49	10/17/19 14:11	1
Barium	<0.50		0.50	0.050	mg/L		10/16/19 10:49	10/17/19 14:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:49	10/17/19 14:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:49	10/17/19 14:11	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:11	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:11	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:11	1
<b>Iron</b>	<b>0.61</b>		0.40	0.20	mg/L		10/16/19 10:49	10/17/19 14:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:49	10/17/19 14:11	1
<b>Manganese</b>	<b>0.022</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:11	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:11	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:49	10/17/19 14:11	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-18(4-10)-100819**

**Lab Sample ID: 500-171471-4**

Date Collected: 10/08/19 23:25

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 82.9

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:11	1
<b>Zinc</b>	<b>0.15</b>	<b>J B</b>	0.50	0.020	mg/L		10/16/19 10:49	10/17/19 14:11	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.78</b>	<b>J B</b>	1.1	0.22	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Arsenic</b>	<b>7.8</b>		0.57	0.19	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Barium</b>	<b>38</b>		0.57	0.064	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Beryllium</b>	<b>0.78</b>		0.23	0.053	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Cadmium</b>	<b>0.17</b>	<b>B</b>	0.11	0.020	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Calcium</b>	<b>54000</b>	<b>B</b>	110	19	mg/Kg	☼	10/17/19 09:25	10/20/19 13:41	10
<b>Chromium</b>	<b>17</b>		0.57	0.28	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Cobalt</b>	<b>14</b>		0.28	0.074	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Copper</b>	<b>30</b>		0.57	0.16	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Iron</b>	<b>20000</b>		11	5.9	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Lead</b>	<b>14</b>		0.28	0.13	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Magnesium</b>	<b>23000</b>		5.7	2.8	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Manganese</b>	<b>340</b>		0.57	0.082	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Nickel</b>	<b>35</b>		0.57	0.16	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Potassium</b>	<b>4000</b>		28	10	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Silver</b>	<b>2.6</b>		0.28	0.073	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Sodium</b>	<b>390</b>		57	8.4	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Thallium</b>	<b>1.0</b>		0.57	0.28	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Vanadium</b>	<b>22</b>		0.28	0.067	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1
<b>Zinc</b>	<b>56</b>		1.1	0.50	mg/Kg	☼	10/17/19 09:25	10/18/19 15:24	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:45	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 09:35	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.023</b>		0.020	0.0066	mg/Kg	☼	10/14/19 15:15	10/15/19 07:21	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.1</b>		0.2	0.2	SU			10/10/19 16:47	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-18(10-15)-100819**

**Lab Sample ID: 500-171471-5**

Date Collected: 10/08/19 23:30

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 83.7

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
1,1-Dichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Acetone	<0.016		0.016	0.0068	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Bromoform	<0.0016		0.0016	0.00045	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Chlorobenzene	<0.0016		0.0016	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Chloroethane	<0.0039 *		0.0039	0.0011	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Ethylbenzene	<0.0016		0.0016	0.00074	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
methyl isobutyl ketone	<0.0039		0.0039	0.0011	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Trichloroethene	<0.0016		0.0016	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	10/09/19 17:33	10/17/19 16:44	1
4-Bromofluorobenzene (Surr)	101		75 - 131	10/09/19 17:33	10/17/19 16:44	1
Dibromofluoromethane	102		75 - 126	10/09/19 17:33	10/17/19 16:44	1
Toluene-d8 (Surr)	94		75 - 124	10/09/19 17:33	10/17/19 16:44	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-18(10-15)-100819**

**Lab Sample ID: 500-171471-5**

Date Collected: 10/08/19 23:30

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 83.7

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
<b>2-Methylnaphthalene</b>	<b>0.020</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
<b>Acenaphthene</b>	<b>0.013</b>	<b>J</b>	0.038	0.0069	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Benzo[a]pyrene	<0.038		0.038	0.0075	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
<b>Benzo[g,h,i]perylene</b>	<b>0.014</b>	<b>J</b>	0.038	0.012	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Carbazole	<0.19	*	0.19	0.097	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
<b>Chrysene</b>	<b>0.030</b>	<b>J</b>	0.038	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
<b>Fluorene</b>	<b>0.0071</b>	<b>J</b>	0.038	0.0054	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-18(10-15)-100819**

**Lab Sample ID: 500-171471-5**

Date Collected: 10/08/19 23:30

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 83.7

## 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	<0.038		0.038	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
<b>Naphthalene</b>	<b>0.011</b>	<b>J</b>	0.038	0.0059	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
<b>Phenanthrene</b>	<b>0.12</b>		0.038	0.0054	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
<b>Pyrene</b>	<b>0.023</b>	<b>J</b>	0.038	0.0077	mg/Kg	☼	10/16/19 16:34	10/17/19 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	56		31 - 143				10/16/19 16:34	10/17/19 16:43	1
2-Fluorobiphenyl	86		43 - 145				10/16/19 16:34	10/17/19 16:43	1
2-Fluorophenol	106		31 - 166				10/16/19 16:34	10/17/19 16:43	1
Nitrobenzene-d5	72		37 - 147				10/16/19 16:34	10/17/19 16:43	1
Phenol-d5	94		30 - 153				10/16/19 16:34	10/17/19 16:43	1
Terphenyl-d14	86		42 - 157				10/16/19 16:34	10/17/19 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		10/16/19 15:19	10/17/19 16:16	1
<b>Barium</b>	<b>0.41</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 15:19	10/17/19 16:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:19	10/17/19 16:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:19	10/17/19 16:16	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:16	1
<b>Cobalt</b>	<b>0.020</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/18/19 20:18	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:16	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:19	10/17/19 16:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:19	10/18/19 20:18	1
<b>Manganese</b>	<b>1.4</b>		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:16	1
<b>Nickel</b>	<b>0.055</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 20:18	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:19	10/17/19 16:16	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:16	1
Zinc	<0.50		0.50	0.020	mg/L		10/16/19 15:19	10/17/19 16:16	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		10/16/19 10:49	10/17/19 14:15	1
Barium	<0.50		0.50	0.050	mg/L		10/16/19 10:49	10/17/19 14:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:49	10/17/19 14:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:49	10/17/19 14:15	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:15	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:15	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:15	1
<b>Iron</b>	<b>1.3</b>		0.40	0.20	mg/L		10/16/19 10:49	10/17/19 14:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:49	10/17/19 14:15	1
<b>Manganese</b>	<b>0.023</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:15	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:15	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:49	10/17/19 14:15	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-18(10-15)-100819**

**Lab Sample ID: 500-171471-5**

Date Collected: 10/08/19 23:30

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 83.7

**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		10/16/19 10:49	10/17/19 14:15	1
Zinc	0.056	J B	0.50	0.020	mg/L		10/16/19 10:49	10/17/19 14:15	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.60	J B	1.1	0.22	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Arsenic	9.0		0.56	0.19	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Barium	27		0.56	0.064	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Beryllium	0.67		0.23	0.053	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Cadmium	0.15	B	0.11	0.020	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Calcium	51000	B	110	19	mg/Kg	☼	10/17/19 09:25	10/20/19 13:45	10
Chromium	14		0.56	0.28	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Cobalt	15		0.28	0.074	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Copper	37		0.56	0.16	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Iron	20000		11	5.9	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Lead	18		0.28	0.13	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Magnesium	23000		5.6	2.8	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Manganese	360		0.56	0.082	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Nickel	39		0.56	0.16	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Potassium	3100		28	10	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Selenium	0.65		0.56	0.33	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Silver	2.3		0.28	0.073	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Sodium	170		56	8.3	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Thallium	1.2		0.56	0.28	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Vanadium	18		0.28	0.066	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1
Zinc	48		1.1	0.49	mg/Kg	☼	10/17/19 09:25	10/18/19 15:28	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:47	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 09:37	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.020	0.0065	mg/Kg	☼	10/14/19 15:15	10/15/19 07:23	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.2	0.2	SU			10/11/19 11:10	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-19(4-10)-100819**

**Lab Sample ID: 500-171471-6**

**Date Collected: 10/08/19 23:45**

**Matrix: Solid**

**Date Received: 10/09/19 15:25**

**Percent Solids: 80.5**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Acetone	<0.016		0.016	0.0071	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Carbon disulfide	<0.0041		0.0041	0.00084	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Chloroethane	<0.0041 *		0.0041	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/09/19 17:33	10/17/19 17:10	1
4-Bromofluorobenzene (Surr)	90		75 - 131	10/09/19 17:33	10/17/19 17:10	1
Dibromofluoromethane	103		75 - 126	10/09/19 17:33	10/17/19 17:10	1
Toluene-d8 (Surr)	94		75 - 124	10/09/19 17:33	10/17/19 17:10	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-19(4-10)-100819**

**Lab Sample ID: 500-171471-6**

Date Collected: 10/08/19 23:45

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 80.5

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
<b>2-Methylnaphthalene</b>	<b>0.070</b>	<b>J</b>	0.083	0.0076	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
<b>Acenaphthene</b>	<b>0.015</b>	<b>J</b>	0.041	0.0074	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
<b>Benzo[g,h,i]perylene</b>	<b>0.016</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
<b>Chrysene</b>	<b>0.033</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
<b>Fluorene</b>	<b>0.011</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-19(4-10)-100819**

**Lab Sample ID: 500-171471-6**

Date Collected: 10/08/19 23:45

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 80.5

**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	<0.041		0.041	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
<b>Naphthalene</b>	<b>0.018</b>	<b>J</b>	0.041	0.0063	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
<b>N-Nitrosodiphenylamine</b>	<b>0.065</b>	<b>J</b>	0.21	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
<b>Phenanthrene</b>	<b>0.14</b>		0.041	0.0057	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
<b>Pyrene</b>	<b>0.026</b>	<b>J</b>	0.041	0.0082	mg/Kg	☼	10/16/19 16:34	10/17/19 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	47		31 - 143				10/16/19 16:34	10/17/19 17:13	1
2-Fluorobiphenyl	85		43 - 145				10/16/19 16:34	10/17/19 17:13	1
2-Fluorophenol	107		31 - 166				10/16/19 16:34	10/17/19 17:13	1
Nitrobenzene-d5	70		37 - 147				10/16/19 16:34	10/17/19 17:13	1
Phenol-d5	93		30 - 153				10/16/19 16:34	10/17/19 17:13	1
Terphenyl-d14	89		42 - 157				10/16/19 16:34	10/17/19 17:13	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		10/16/19 15:19	10/17/19 16:20	1
<b>Barium</b>	<b>0.50</b>		0.50	0.050	mg/L		10/16/19 15:19	10/17/19 16:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:19	10/17/19 16:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:19	10/17/19 16:20	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:20	1
<b>Cobalt</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/18/19 20:23	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:20	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:19	10/17/19 16:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:19	10/18/19 20:23	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:20	1
<b>Nickel</b>	<b>0.043</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 20:23	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:19	10/17/19 16:20	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:20	1
Zinc	<0.50		0.50	0.020	mg/L		10/16/19 15:19	10/17/19 16:20	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 10:49	10/17/19 14:19	1
Barium	<0.50		0.50	0.050	mg/L		10/16/19 10:49	10/17/19 14:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:49	10/17/19 14:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:49	10/17/19 14:19	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:19	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:19	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:19	1
<b>Iron</b>	<b>0.47</b>		0.40	0.20	mg/L		10/16/19 10:49	10/17/19 14:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:49	10/17/19 14:19	1
<b>Manganese</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:19	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:19	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:49	10/17/19 14:19	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-19(4-10)-100819**

**Lab Sample ID: 500-171471-6**

Date Collected: 10/08/19 23:45

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 80.5

**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		10/16/19 10:49	10/17/19 14:19	1
Zinc	0.093	J B	0.50	0.020	mg/L		10/16/19 10:49	10/17/19 14:19	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.67	J B	1.2	0.23	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Arsenic	9.5		0.60	0.20	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Barium	34		0.60	0.068	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Beryllium	0.82		0.24	0.056	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Cadmium	0.16	B	0.12	0.022	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Calcium	44000	B	120	20	mg/Kg	☼	10/17/19 09:25	10/20/19 13:49	10
Chromium	18		0.60	0.30	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Cobalt	17		0.30	0.078	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Copper	38		0.60	0.17	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Iron	23000		12	6.2	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Lead	16		0.30	0.14	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Magnesium	20000		6.0	3.0	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Manganese	300		0.60	0.087	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Nickel	43		0.60	0.17	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Potassium	3700		30	11	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Selenium	0.40	J	0.60	0.35	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Silver	2.6		0.30	0.077	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Sodium	500		60	8.8	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Thallium	1.3		0.60	0.30	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Vanadium	23		0.30	0.071	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1
Zinc	54		1.2	0.52	mg/Kg	☼	10/17/19 09:25	10/18/19 15:32	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:49	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 09:38	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.020	0.0066	mg/Kg	☼	10/14/19 15:15	10/15/19 07:25	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/11/19 11:14	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-19(10-15)-100819**

**Lab Sample ID: 500-171471-7**

**Date Collected: 10/08/19 23:50**

**Matrix: Solid**

**Date Received: 10/09/19 15:25**

**Percent Solids: 81.8**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Chloroethane	<0.0043 *		0.0043	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/09/19 17:33	10/17/19 17:36	1
4-Bromofluorobenzene (Surr)	93		75 - 131	10/09/19 17:33	10/17/19 17:36	1
Dibromofluoromethane	101		75 - 126	10/09/19 17:33	10/17/19 17:36	1
Toluene-d8 (Surr)	93		75 - 124	10/09/19 17:33	10/17/19 17:36	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-19(10-15)-100819**

**Lab Sample ID: 500-171471-7**

Date Collected: 10/08/19 23:50

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.8

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
<b>2-Methylnaphthalene</b>	<b>0.056</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
<b>Acenaphthene</b>	<b>0.016</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
<b>Chrysene</b>	<b>0.030</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
<b>Fluorene</b>	<b>0.011</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-19(10-15)-100819**

**Lab Sample ID: 500-171471-7**

Date Collected: 10/08/19 23:50

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.8

**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	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
<b>Phenanthrene</b>	<b>0.13</b>		0.040	0.0056	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1
<b>Pyrene</b>	<b>0.026</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/16/19 16:33	10/17/19 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	48		31 - 143	10/16/19 16:33	10/17/19 17:42	1
2-Fluorobiphenyl	85		43 - 145	10/16/19 16:33	10/17/19 17:42	1
2-Fluorophenol	103		31 - 166	10/16/19 16:33	10/17/19 17:42	1
Nitrobenzene-d5	74		37 - 147	10/16/19 16:33	10/17/19 17:42	1
Phenol-d5	88		30 - 153	10/16/19 16:33	10/17/19 17:42	1
Terphenyl-d14	89		42 - 157	10/16/19 16:33	10/17/19 17:42	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 15:19	10/17/19 16:24	1
<b>Barium</b>	<b>0.51</b>		0.50	0.050	mg/L		10/16/19 15:19	10/17/19 16:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:19	10/17/19 16:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:19	10/17/19 16:24	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:24	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/18/19 20:27	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:24	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:19	10/17/19 16:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:19	10/18/19 20:27	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:24	1
<b>Nickel</b>	<b>0.036</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 20:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:19	10/17/19 16:24	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:24	1
Zinc	<0.50		0.50	0.020	mg/L		10/16/19 15:19	10/17/19 16:24	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		10/16/19 10:49	10/17/19 14:23	1
Barium	<0.50		0.50	0.050	mg/L		10/16/19 10:49	10/17/19 14:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:49	10/17/19 14:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:49	10/17/19 14:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:23	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:23	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:23	1
<b>Iron</b>	<b>0.80</b>		0.40	0.20	mg/L		10/16/19 10:49	10/17/19 14:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:49	10/17/19 14:23	1
<b>Manganese</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:23	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:23	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:49	10/17/19 14:23	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-19(10-15)-100819**

**Lab Sample ID: 500-171471-7**

Date Collected: 10/08/19 23:50

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.8

**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		10/16/19 10:49	10/17/19 14:23	1
Zinc	0.023	J B	0.50	0.020	mg/L		10/16/19 10:49	10/17/19 14:23	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.66	J B	1.2	0.23	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Arsenic	8.7		0.60	0.20	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Barium	39		0.60	0.068	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Beryllium	0.79		0.24	0.056	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Cadmium	0.18	B	0.12	0.021	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Calcium	51000	B	120	20	mg/Kg	☼	10/17/19 09:25	10/20/19 13:53	10
Chromium	17		0.60	0.30	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Cobalt	14		0.30	0.078	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Copper	30		0.60	0.17	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Iron	24000		12	6.2	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Lead	14		0.30	0.14	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Magnesium	22000		6.0	3.0	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Manganese	320		0.60	0.087	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Nickel	35		0.60	0.17	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Potassium	3600		30	11	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Selenium	0.38	J	0.60	0.35	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Silver	2.6		0.30	0.077	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Sodium	230		60	8.8	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Thallium	0.93		0.60	0.30	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Vanadium	22		0.30	0.070	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1
Zinc	59		1.2	0.52	mg/Kg	☼	10/17/19 09:25	10/18/19 15:36	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:50	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 09:40	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.019	0.0064	mg/Kg	☼	10/14/19 15:15	10/15/19 07:27	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.2	0.2	SU			10/11/19 11:19	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-20(4-10)-100919**

**Lab Sample ID: 500-171471-8**

**Date Collected: 10/09/19 00:00**

**Matrix: Solid**

**Date Received: 10/09/19 15:25**

**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	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
1,2-Dichloroethane	<0.0043		0.0043	0.0014	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
2-Hexanone	<0.0043		0.0043	0.0014	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Acetone	<0.017		0.017	0.0076	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Chloroethane	<0.0043 *		0.0043	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/09/19 17:33	10/17/19 18:01	1
4-Bromofluorobenzene (Surr)	93		75 - 131	10/09/19 17:33	10/17/19 18:01	1
Dibromofluoromethane	103		75 - 126	10/09/19 17:33	10/17/19 18:01	1
Toluene-d8 (Surr)	93		75 - 124	10/09/19 17:33	10/17/19 18:01	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-20(4-10)-100919**

**Lab Sample ID: 500-171471-8**

Date Collected: 10/09/19 00:00

Matrix: Solid

Date Received: 10/09/19 15:25

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	<0.40		0.40	0.091	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
2,4-Dinitrophenol	<0.81		0.81	0.70	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
<b>2-Methylnaphthalene</b>	<b>0.035</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
<b>Acenaphthene</b>	<b>0.014</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
<b>Chrysene</b>	<b>0.028</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-20(4-10)-100919**

**Lab Sample ID: 500-171471-8**

Date Collected: 10/09/19 00:00

Matrix: Solid

Date Received: 10/09/19 15:25

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	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
<b>Phenanthrene</b>	<b>0.14</b>		0.040	0.0056	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
<b>Pyrene</b>	<b>0.022</b>	<b>J</b>	0.040	0.0079	mg/Kg	☼	10/16/19 16:34	10/17/19 18:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	41		31 - 143				10/16/19 16:34	10/17/19 18:11	1
2-Fluorobiphenyl	76		43 - 145				10/16/19 16:34	10/17/19 18:11	1
2-Fluorophenol	86		31 - 166				10/16/19 16:34	10/17/19 18:11	1
Nitrobenzene-d5	62		37 - 147				10/16/19 16:34	10/17/19 18:11	1
Phenol-d5	74		30 - 153				10/16/19 16:34	10/17/19 18:11	1
Terphenyl-d14	78		42 - 157				10/16/19 16:34	10/17/19 18:11	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 15:19	10/17/19 16:37	1
<b>Barium</b>	<b>0.55</b>		0.50	0.050	mg/L		10/16/19 15:19	10/17/19 16:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:19	10/17/19 16:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:19	10/17/19 16:37	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:37	1
<b>Cobalt</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/18/19 20:31	1
<b>Copper</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:37	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:19	10/17/19 16:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:19	10/18/19 20:31	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 20:31	1
<b>Nickel</b>	<b>0.048</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 20:31	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:19	10/17/19 16:37	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:37	1
<b>Zinc</b>	<b>0.089</b>	<b>J</b>	0.50	0.020	mg/L		10/16/19 15:19	10/17/19 16:37	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 10:49	10/17/19 14:27	1
Barium	<0.50		0.50	0.050	mg/L		10/16/19 10:49	10/17/19 14:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:49	10/17/19 14:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:49	10/17/19 14:27	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:27	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:27	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:27	1
<b>Iron</b>	<b>0.56</b>		0.40	0.20	mg/L		10/16/19 10:49	10/17/19 14:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:49	10/17/19 14:27	1
<b>Manganese</b>	<b>0.023</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:27	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:49	10/17/19 14:27	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-20(4-10)-100919**

**Lab Sample ID: 500-171471-8**

Date Collected: 10/09/19 00:00

Matrix: Solid

Date Received: 10/09/19 15:25

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		10/16/19 10:49	10/17/19 14:27	1
Zinc	<0.50		0.50	0.020	mg/L		10/16/19 10:49	10/17/19 14:27	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J B	1.1	0.22	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Arsenic	7.8		0.57	0.20	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Barium	35		0.57	0.065	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Beryllium	0.80		0.23	0.053	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Cadmium	0.12	B	0.11	0.021	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Calcium	48000	B	110	19	mg/Kg	☼	10/17/19 09:25	10/20/19 14:05	10
Chromium	17		0.57	0.28	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Cobalt	15		0.29	0.075	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Copper	35		0.57	0.16	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Iron	20000		11	6.0	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Lead	15		0.29	0.13	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Magnesium	20000		5.7	2.8	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Manganese	330		0.57	0.083	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Nickel	38		0.57	0.17	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Potassium	3700		29	10	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Selenium	0.42	J	0.57	0.34	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Silver	2.6		0.29	0.074	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Sodium	460		57	8.5	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Thallium	0.99		0.57	0.29	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Vanadium	22		0.29	0.068	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1
Zinc	46		1.1	0.50	mg/Kg	☼	10/17/19 09:25	10/18/19 15:40	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:52	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 09:45	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.019	0.0064	mg/Kg	☼	10/14/19 15:15	10/15/19 07:34	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/11/19 11:27	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-20(10-15)-100919**

**Lab Sample ID: 500-171471-9**

**Date Collected: 10/09/19 00:05**

**Matrix: Solid**

**Date Received: 10/09/19 15:25**

**Percent Solids: 79.4**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
1,1,2,2-Tetrachloroethane	<0.0018	*	0.0018	0.00058	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
<b>Acetone</b>	<b>0.0086</b>	<b>J</b>	0.018	0.0079	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Chloroethane	<0.0045	*	0.0045	0.0013	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☼	10/09/19 00:05	10/17/19 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		70 - 134	10/09/19 00:05	10/17/19 18:27	1
4-Bromofluorobenzene (Surr)	113	*	75 - 131	10/09/19 00:05	10/17/19 18:27	1
Dibromofluoromethane	106		75 - 126	10/09/19 00:05	10/17/19 18:27	1
Toluene-d8 (Surr)	96		75 - 124	10/09/19 00:05	10/17/19 18:27	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-20(10-15)-100919**

**Lab Sample ID: 500-171471-9**

Date Collected: 10/09/19 00:05

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 79.4

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.095	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2,4-Dichlorophenol	<0.41		0.41	0.099	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2,4-Dinitrophenol	<0.84		0.84	0.73	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
<b>2-Methylnaphthalene</b>	<b>0.054</b>	<b>J</b>	0.084	0.0076	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
<b>Acenaphthene</b>	<b>0.013</b>	<b>J</b>	0.041	0.0075	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Benzo[b]fluoranthene	<0.041		0.041	0.0090	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
<b>Benzo[g,h,i]perylene</b>	<b>0.017</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
<b>Chrysene</b>	<b>0.024</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Hexachlorobenzene	<0.084		0.084	0.0096	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-20(10-15)-100919**

**Lab Sample ID: 500-171471-9**

Date Collected: 10/09/19 00:05

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 79.4

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
<b>Naphthalene</b>	<b>0.017</b>	<b>J</b>	0.041	0.0064	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
<b>Phenanthrene</b>	<b>0.099</b>		0.041	0.0058	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
<b>Pyrene</b>	<b>0.022</b>	<b>J</b>	0.041	0.0083	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	42		31 - 143	10/16/19 16:34	10/17/19 15:45	1
2-Fluorobiphenyl	85		43 - 145	10/16/19 16:34	10/17/19 15:45	1
2-Fluorophenol	109		31 - 166	10/16/19 16:34	10/17/19 15:45	1
Nitrobenzene-d5	73		37 - 147	10/16/19 16:34	10/17/19 15:45	1
Phenol-d5	89		30 - 153	10/16/19 16:34	10/17/19 15:45	1
Terphenyl-d14	89		42 - 157	10/16/19 16:34	10/17/19 15:45	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		10/16/19 15:19	10/17/19 16:41	1
<b>Barium</b>	<b>0.63</b>		0.50	0.050	mg/L		10/16/19 15:19	10/17/19 16:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:19	10/17/19 16:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:19	10/17/19 16:41	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:41	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/18/19 20:35	1
<b>Copper</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:41	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:19	10/17/19 16:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:19	10/18/19 20:35	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 20:35	1
<b>Nickel</b>	<b>0.046</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 20:35	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:19	10/17/19 16:41	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 16:41	1
<b>Zinc</b>	<b>0.075</b>	<b>J</b>	0.50	0.020	mg/L		10/16/19 15:19	10/17/19 16:41	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 10:49	10/17/19 14:31	1
Barium	<0.50		0.50	0.050	mg/L		10/16/19 10:49	10/17/19 14:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:49	10/17/19 14:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:49	10/17/19 14:31	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:31	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:31	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:31	1
<b>Iron</b>	<b>1.5</b>		0.40	0.20	mg/L		10/16/19 10:49	10/17/19 14:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:49	10/17/19 14:31	1
<b>Manganese</b>	<b>0.022</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:31	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:31	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:49	10/17/19 14:31	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-20(10-15)-100919**

**Lab Sample ID: 500-171471-9**

Date Collected: 10/09/19 00:05

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 79.4

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 14:31	1
Zinc	0.043	J B	0.50	0.020	mg/L		10/16/19 10:49	10/17/19 14:31	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.67	J B	1.2	0.23	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Arsenic	9.1		0.59	0.20	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Barium	39		0.59	0.067	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Beryllium	0.82		0.24	0.055	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Cadmium	0.13	B	0.12	0.021	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Calcium	44000	B	120	20	mg/Kg	☼	10/17/19 09:25	10/20/19 14:09	10
Chromium	18		0.59	0.29	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Cobalt	17		0.30	0.077	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Copper	37		0.59	0.17	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Iron	23000		12	6.2	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Lead	16		0.30	0.14	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Magnesium	19000		5.9	2.9	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Manganese	310		0.59	0.086	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Nickel	43		0.59	0.17	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Potassium	3800		30	10	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Selenium	0.56	J	0.59	0.35	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Silver	2.7		0.30	0.076	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Sodium	220		59	8.8	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Thallium	1.4		0.59	0.30	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Vanadium	22		0.30	0.070	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1
Zinc	54		1.2	0.52	mg/Kg	☼	10/17/19 09:25	10/18/19 15:44	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 09:53	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 09:47	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0060	mg/Kg	☼	10/14/19 15:15	10/15/19 07:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			10/11/19 11:31	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-25(4-10)-100919**

**Lab Sample ID: 500-171471-15**

**Date Collected: 10/09/19 01:15**

**Matrix: Solid**

**Date Received: 10/09/19 15:25**

**Percent Solids: 81.8**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Acetone	<0.016		0.016	0.0071	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Carbon disulfide	<0.0041		0.0041	0.00084	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Chloroethane	<0.0041 *		0.0041	0.0012	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	10/09/19 17:33	10/18/19 12:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/09/19 17:33	10/18/19 12:09	1
4-Bromofluorobenzene (Surr)	93		75 - 131	10/09/19 17:33	10/18/19 12:09	1
Dibromofluoromethane	101		75 - 126	10/09/19 17:33	10/18/19 12:09	1
Toluene-d8 (Surr)	94		75 - 124	10/09/19 17:33	10/18/19 12:09	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-25(4-10)-100919**

**Lab Sample ID: 500-171471-15**

Date Collected: 10/09/19 01:15

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.8

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
<b>2-Methylnaphthalene</b>	<b>0.044</b>	<b>J</b>	0.082	0.0074	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.32	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
4-Nitrophenol	<0.82		0.82	0.38	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
<b>Chrysene</b>	<b>0.024</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
<b>Fluorene</b>	<b>0.0091</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-25(4-10)-100919**

**Lab Sample ID: 500-171471-15**

Date Collected: 10/09/19 01:15

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.8

## 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	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
<b>Naphthalene</b>	<b>0.011</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
<b>Phenanthrene</b>	<b>0.11</b>		0.040	0.0056	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	10/16/19 16:34	10/17/19 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	55		31 - 143	10/16/19 16:34	10/17/19 15:18	1
2-Fluorobiphenyl	73		43 - 145	10/16/19 16:34	10/17/19 15:18	1
2-Fluorophenol	85		31 - 166	10/16/19 16:34	10/17/19 15:18	1
Nitrobenzene-d5	44		37 - 147	10/16/19 16:34	10/17/19 15:18	1
Phenol-d5	70		30 - 153	10/16/19 16:34	10/17/19 15:18	1
Terphenyl-d14	99		42 - 157	10/16/19 16:34	10/17/19 15:18	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		10/16/19 15:19	10/17/19 17:06	1
<b>Barium</b>	<b>0.63</b>		0.50	0.050	mg/L		10/16/19 15:19	10/17/19 17:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:19	10/17/19 17:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:19	10/17/19 17:06	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:06	1
<b>Cobalt</b>	<b>0.016</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/18/19 21:09	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:06	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:19	10/17/19 17:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:19	10/18/19 21:09	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 21:09	1
<b>Nickel</b>	<b>0.047</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 21:09	1
<b>Selenium</b>	<b>0.023</b>	<b>J</b>	0.050	0.020	mg/L		10/16/19 15:19	10/17/19 17:06	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:06	1
Zinc	<0.50		0.50	0.020	mg/L		10/16/19 15:19	10/17/19 17:06	1

## Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 10:49	10/17/19 15:05	1
<b>Barium</b>	<b>0.057</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 10:49	10/17/19 15:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:49	10/17/19 15:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:49	10/17/19 15:05	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:05	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:05	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:05	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 10:49	10/17/19 15:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:49	10/17/19 15:05	1
<b>Manganese</b>	<b>0.033</b>		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:05	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:05	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:49	10/17/19 15:05	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-25(4-10)-100919**

**Lab Sample ID: 500-171471-15**

Date Collected: 10/09/19 01:15

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.8

**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		10/16/19 10:49	10/17/19 15:05	1
Zinc	0.044	J B	0.50	0.020	mg/L		10/16/19 10:49	10/17/19 15:05	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.68	J B	1.1	0.22	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Arsenic	7.7		0.56	0.19	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Barium	41		0.56	0.064	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Beryllium	0.77		0.22	0.052	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Cadmium	0.12	B	0.11	0.020	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Calcium	57000	B	110	19	mg/Kg	☼	10/17/19 09:25	10/20/19 14:33	10
Chromium	17		0.56	0.28	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Cobalt	14		0.28	0.073	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Copper	28		0.56	0.16	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Iron	20000		11	5.8	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Lead	13		0.28	0.13	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Magnesium	23000		5.6	2.8	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Manganese	350		0.56	0.081	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Nickel	34		0.56	0.16	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Potassium	3700		28	9.9	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Selenium	0.46	J	0.56	0.33	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Silver	2.7		0.28	0.072	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Sodium	290		56	8.3	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Thallium	0.81		0.56	0.28	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Vanadium	22		0.28	0.066	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1
Zinc	52		1.1	0.49	mg/Kg	☼	10/17/19 09:25	10/18/19 16:16	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 10:11	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 10:00	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.018	0.0059	mg/Kg	☼	10/14/19 15:15	10/15/19 07:59	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/11/19 11:57	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-25(10-15)-100919**

**Lab Sample ID: 500-171471-16**

Date Collected: 10/09/19 01:20

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.3

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
1,1,2,2-Tetrachloroethane	<0.0017	*	0.0017	0.00056	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Acetone	<0.017		0.017	0.0076	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Benzene	<0.0017		0.0017	0.00045	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Bromodichloromethane	<0.0017		0.0017	0.00036	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Bromomethane	<0.0044	*	0.0044	0.0017	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Carbon tetrachloride	<0.0017		0.0017	0.00051	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Chloroform	<0.0017		0.0017	0.00061	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00053	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Ethylbenzene	<0.0017		0.0017	0.00084	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Styrene	<0.0017		0.0017	0.00053	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Tetrachloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
<b>Toluene</b>	<b>0.00049</b>	<b>J</b>	0.0017	0.00044	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/09/19 01:20	10/17/19 12:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/09/19 01:20	10/17/19 12:27	1
4-Bromofluorobenzene (Surr)	148	* X	75 - 131	10/09/19 01:20	10/17/19 12:27	1
Dibromofluoromethane	97		75 - 126	10/09/19 01:20	10/17/19 12:27	1
Toluene-d8 (Surr)	107		75 - 124	10/09/19 01:20	10/17/19 12:27	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-25(10-15)-100919**

**Lab Sample ID: 500-171471-16**

Date Collected: 10/09/19 01:20

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2,4-Dinitrophenol	<0.81		0.81	0.70	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
<b>2-Methylnaphthalene</b>	<b>0.042</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
<b>Benzo[a]pyrene</b>	<b>0.046</b>		0.040	0.0077	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
<b>Chrysene</b>	<b>0.018</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
<b>Fluoranthene</b>	<b>0.015</b>	<b>J</b>	0.040	0.0074	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-25(10-15)-100919**

**Lab Sample ID: 500-171471-16**

Date Collected: 10/09/19 01:20

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.3

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
<b>Naphthalene</b>	<b>0.0099</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
<b>Phenanthrene</b>	<b>0.095</b>		0.040	0.0056	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1
<b>Pyrene</b>	<b>0.017</b>	<b>J</b>	0.040	0.0079	mg/Kg	☼	10/16/19 16:34	10/17/19 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	54		31 - 143	10/16/19 16:34	10/17/19 15:45	1
2-Fluorobiphenyl	72		43 - 145	10/16/19 16:34	10/17/19 15:45	1
2-Fluorophenol	99		31 - 166	10/16/19 16:34	10/17/19 15:45	1
Nitrobenzene-d5	45		37 - 147	10/16/19 16:34	10/17/19 15:45	1
Phenol-d5	83		30 - 153	10/16/19 16:34	10/17/19 15:45	1
Terphenyl-d14	95		42 - 157	10/16/19 16:34	10/17/19 15:45	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		10/16/19 15:19	10/17/19 17:10	1
<b>Barium</b>	<b>0.64</b>		0.50	0.050	mg/L		10/16/19 15:19	10/17/19 17:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:19	10/17/19 17:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:19	10/17/19 17:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:10	1
<b>Cobalt</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/18/19 21:14	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:10	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:19	10/17/19 17:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:19	10/18/19 21:14	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 21:14	1
<b>Nickel</b>	<b>0.045</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 21:14	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:19	10/17/19 17:10	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:10	1
Zinc	<0.50		0.50	0.020	mg/L		10/16/19 15:19	10/17/19 17:10	1

## Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 10:49	10/17/19 15:09	1
<b>Barium</b>	<b>0.050</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 10:49	10/17/19 15:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:49	10/17/19 15:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:49	10/17/19 15:09	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:09	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:09	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:09	1
<b>Iron</b>	<b>0.27</b>	<b>J</b>	0.40	0.20	mg/L		10/16/19 10:49	10/17/19 15:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:49	10/17/19 15:09	1
<b>Manganese</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:09	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:09	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:49	10/17/19 15:09	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-25(10-15)-100919**

**Lab Sample ID: 500-171471-16**

Date Collected: 10/09/19 01:20

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.3

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:09	1
<b>Zinc</b>	<b>0.021</b>	<b>J B</b>	0.50	0.020	mg/L		10/16/19 10:49	10/17/19 15:09	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.40</b>	<b>J B</b>	1.1	0.22	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Arsenic</b>	<b>6.2</b>		0.57	0.19	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Barium</b>	<b>43</b>		0.57	0.065	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Beryllium</b>	<b>0.77</b>		0.23	0.053	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Cadmium</b>	<b>0.13</b>	<b>B</b>	0.11	0.020	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Calcium</b>	<b>55000</b>	<b>B</b>	110	19	mg/Kg	☼	10/17/19 09:25	10/20/19 14:37	10
<b>Chromium</b>	<b>17</b>		0.57	0.28	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Cobalt</b>	<b>13</b>		0.28	0.074	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Copper</b>	<b>24</b>		0.57	0.16	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Iron</b>	<b>20000</b>		11	5.9	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Lead</b>	<b>12</b>		0.28	0.13	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Magnesium</b>	<b>22000</b>		5.7	2.8	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Manganese</b>	<b>330</b>		0.57	0.082	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Nickel</b>	<b>33</b>		0.57	0.16	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Potassium</b>	<b>3800</b>		28	10	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Silver</b>	<b>2.8</b>		0.28	0.073	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Sodium</b>	<b>200</b>		57	8.4	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Thallium</b>	<b>0.81</b>		0.57	0.28	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Vanadium</b>	<b>22</b>		0.28	0.067	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1
<b>Zinc</b>	<b>50</b>		1.1	0.50	mg/Kg	☼	10/17/19 09:25	10/18/19 16:20	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 10:12	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 10:05	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.021</b>		0.019	0.0064	mg/Kg	☼	10/14/19 15:15	10/15/19 08:01	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.2</b>		0.2	0.2	SU			10/11/19 12:02	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-26(2-4)-100819**

**Lab Sample ID: 500-171471-17**

**Date Collected: 10/08/19 23:00**

**Matrix: Solid**

**Date Received: 10/09/19 15:25**

**Percent Solids: 79.4**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Bromomethane	<0.0043 *		0.0043	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	10/09/19 17:33	10/17/19 12:53	1
4-Bromofluorobenzene (Surr)	105		75 - 131	10/09/19 17:33	10/17/19 12:53	1
Dibromofluoromethane	93		75 - 126	10/09/19 17:33	10/17/19 12:53	1
Toluene-d8 (Surr)	93		75 - 124	10/09/19 17:33	10/17/19 12:53	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-26(2-4)-100819**

**Lab Sample ID: 500-171471-17**

Date Collected: 10/08/19 23:00

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 79.4

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.095	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
2,4-Dichlorophenol	<0.41		0.41	0.099	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
2,4-Dinitrophenol	<0.84		0.84	0.73	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
<b>2-Methylnaphthalene</b>	<b>0.011</b>	<b>J</b>	0.084	0.0076	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Acenaphthene	<0.041		0.041	0.0075	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Benzo[b]fluoranthene	<0.041		0.041	0.0090	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
<b>Chrysene</b>	<b>0.022</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
<b>Diethyl phthalate</b>	<b>0.081</b>	<b>J</b>	0.21	0.070	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Hexachlorobenzene	<0.084		0.084	0.0096	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-26(2-4)-100819**

**Lab Sample ID: 500-171471-17**

Date Collected: 10/08/19 23:00

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 79.4

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
<b>Phenanthrene</b>	<b>0.096</b>		0.041	0.0058	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1
<b>Pyrene</b>	<b>0.0093</b>	<b>J</b>	0.041	0.0083	mg/Kg	☼	10/16/19 16:34	10/17/19 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	49		31 - 143	10/16/19 16:34	10/17/19 16:12	1
2-Fluorobiphenyl	73		43 - 145	10/16/19 16:34	10/17/19 16:12	1
2-Fluorophenol	96		31 - 166	10/16/19 16:34	10/17/19 16:12	1
Nitrobenzene-d5	47		37 - 147	10/16/19 16:34	10/17/19 16:12	1
Phenol-d5	77		30 - 153	10/16/19 16:34	10/17/19 16:12	1
Terphenyl-d14	85		42 - 157	10/16/19 16:34	10/17/19 16:12	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 15:19	10/17/19 17:14	1
<b>Barium</b>	<b>0.47</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 15:19	10/17/19 17:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:19	10/17/19 17:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:19	10/17/19 17:14	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:14	1
<b>Cobalt</b>	<b>0.048</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 21:18	1
<b>Copper</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:14	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:19	10/17/19 17:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:19	10/18/19 21:18	1
<b>Manganese</b>	<b>2.6</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 21:18	1
<b>Nickel</b>	<b>0.074</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 21:18	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:19	10/17/19 17:14	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:14	1
<b>Zinc</b>	<b>0.057</b>	<b>J</b>	0.50	0.020	mg/L		10/16/19 15:19	10/17/19 17:14	1

## Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 10:49	10/17/19 15:13	1
<b>Barium</b>	<b>0.078</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 10:49	10/17/19 15:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:49	10/17/19 15:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:49	10/17/19 15:13	1
<b>Chromium</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:13	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:13	1
<b>Copper</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:13	1
<b>Iron</b>	<b>6.6</b>		0.40	0.20	mg/L		10/16/19 10:49	10/17/19 15:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:49	10/17/19 15:13	1
<b>Manganese</b>	<b>0.062</b>		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:13	1
<b>Nickel</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:13	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:49	10/17/19 15:13	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-26(2-4)-100819**

**Lab Sample ID: 500-171471-17**

Date Collected: 10/08/19 23:00

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 79.4

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:13	1
Zinc	0.11	J B	0.50	0.020	mg/L		10/16/19 10:49	10/17/19 15:13	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.64	J B	1.2	0.23	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Arsenic	7.1		0.59	0.20	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Barium	43		0.59	0.067	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Beryllium	1.0		0.24	0.055	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Cadmium	0.097	J B	0.12	0.021	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Calcium	26000	B	12	2.0	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Chromium	21		0.59	0.29	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Cobalt	18		0.30	0.077	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Copper	33		0.59	0.17	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Iron	22000		12	6.1	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Lead	16		0.30	0.14	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Magnesium	16000		5.9	2.9	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Manganese	270		0.59	0.086	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Nickel	46		0.59	0.17	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Potassium	4600		30	10	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Selenium	0.49	J	0.59	0.35	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Silver	3.0		0.30	0.076	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Sodium	1000		59	8.7	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Thallium	1.4		0.59	0.29	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Vanadium	25		0.30	0.070	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1
Zinc	53		1.2	0.52	mg/Kg	☼	10/17/19 09:25	10/18/19 16:24	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 10:14	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 10:07	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.020	0.0068	mg/Kg	☼	10/14/19 15:15	10/15/19 08:03	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/11/19 12:06	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-26(4-10)-100819**

**Lab Sample ID: 500-171471-18**

**Date Collected: 10/08/19 23:05**

**Matrix: Solid**

**Date Received: 10/09/19 15:25**

**Percent Solids: 88.5**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Acetone	<0.015		0.015	0.0067	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Bromomethane	<0.0038 *		0.0038	0.0014	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Carbon disulfide	<0.0038		0.0038	0.00079	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 13:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		70 - 134	10/09/19 17:33	10/17/19 13:19	1
4-Bromofluorobenzene (Surr)	121		75 - 131	10/09/19 17:33	10/17/19 13:19	1
Dibromofluoromethane	93		75 - 126	10/09/19 17:33	10/17/19 13:19	1
Toluene-d8 (Surr)	98		75 - 124	10/09/19 17:33	10/17/19 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	<0.18		0.18	0.039	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-26(4-10)-100819**

**Lab Sample ID: 500-171471-18**

Date Collected: 10/08/19 23:05

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 88.5

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
<b>2-Methylnaphthalene</b>	<b>0.089</b>		0.073	0.0067	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
<b>Acenaphthene</b>	<b>0.023</b>	<b>J</b>	0.036	0.0065	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Benzo[a]pyrene	<0.036		0.036	0.0071	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Benzo[b]fluoranthene	<0.036		0.036	0.0079	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Carbazole	<0.18	*	0.18	0.091	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
<b>Chrysene</b>	<b>0.029</b>	<b>J</b>	0.036	0.0099	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
<b>Diethyl phthalate</b>	<b>0.071</b>	<b>J</b>	0.18	0.062	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Fluoranthene	<0.036		0.036	0.0068	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-26(4-10)-100819**

**Lab Sample ID: 500-171471-18**

Date Collected: 10/08/19 23:05

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 88.5

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0094	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
<b>Naphthalene</b>	<b>0.019</b>	<b>J</b>	0.036	0.0056	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
<b>Phenanthrene</b>	<b>0.17</b>		0.036	0.0051	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	10/16/19 16:34	10/17/19 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	59		31 - 143	10/16/19 16:34	10/17/19 16:39	1
2-Fluorobiphenyl	74		43 - 145	10/16/19 16:34	10/17/19 16:39	1
2-Fluorophenol	80		31 - 166	10/16/19 16:34	10/17/19 16:39	1
Nitrobenzene-d5	41		37 - 147	10/16/19 16:34	10/17/19 16:39	1
Phenol-d5	66		30 - 153	10/16/19 16:34	10/17/19 16:39	1
Terphenyl-d14	96		42 - 157	10/16/19 16:34	10/17/19 16:39	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		10/16/19 15:19	10/17/19 17:27	1
<b>Barium</b>	<b>0.42</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 15:19	10/17/19 17:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:19	10/17/19 17:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:19	10/17/19 17:27	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:27	1
<b>Cobalt</b>	<b>0.020</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:27	1
<b>Copper</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:27	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:19	10/17/19 17:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:19	10/17/19 17:27	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 21:22	1
<b>Nickel</b>	<b>0.050</b>		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:19	10/17/19 17:27	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:27	1
Zinc	<0.50		0.50	0.020	mg/L		10/16/19 15:19	10/17/19 17:27	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 10:49	10/17/19 15:17	1
Barium	<0.50		0.50	0.050	mg/L		10/16/19 10:49	10/17/19 15:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:49	10/17/19 15:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:49	10/17/19 15:17	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:17	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:17	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:17	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 10:49	10/17/19 15:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:49	10/17/19 15:17	1
<b>Manganese</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:17	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:17	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:49	10/17/19 15:17	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-26(4-10)-100819**

**Lab Sample ID: 500-171471-18**

Date Collected: 10/08/19 23:05

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 88.5

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:17	1
<b>Zinc</b>	<b>0.063</b>	<b>J B</b>	0.50	0.020	mg/L		10/16/19 10:49	10/17/19 15:17	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.48</b>	<b>J B</b>	1.1	0.21	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Arsenic</b>	<b>7.4</b>		0.53	0.18	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Barium</b>	<b>20</b>		0.53	0.060	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Beryllium</b>	<b>0.59</b>		0.21	0.049	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Cadmium</b>	<b>0.17</b>	<b>B</b>	0.11	0.019	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Calcium</b>	<b>58000</b>	<b>B</b>	110	18	mg/Kg	☼	10/17/19 09:25	10/20/19 14:41	10
<b>Chromium</b>	<b>12</b>		0.53	0.26	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Cobalt</b>	<b>14</b>		0.26	0.069	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Copper</b>	<b>37</b>		0.53	0.15	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Iron</b>	<b>19000</b>		11	5.5	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Lead</b>	<b>15</b>		0.26	0.12	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Magnesium</b>	<b>25000</b>		5.3	2.6	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Manganese</b>	<b>500</b>		0.53	0.077	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Nickel</b>	<b>36</b>		0.53	0.15	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Potassium</b>	<b>2900</b>		26	9.4	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Selenium</b>	<b>0.69</b>		0.53	0.31	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Silver</b>	<b>2.1</b>		0.26	0.068	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Sodium</b>	<b>210</b>		53	7.8	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Thallium</b>	<b>0.73</b>		0.53	0.26	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Vanadium</b>	<b>16</b>		0.26	0.062	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1
<b>Zinc</b>	<b>61</b>		1.1	0.47	mg/Kg	☼	10/17/19 09:25	10/18/19 16:28	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 10:15	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 10:08	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.024</b>		0.017	0.0057	mg/Kg	☼	10/14/19 15:15	10/15/19 08:05	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.9</b>		0.2	0.2	SU			10/11/19 12:15	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-26(10-15)-100819**

**Lab Sample ID: 500-171471-19**

**Date Collected: 10/08/19 23:15**

**Matrix: Solid**

**Date Received: 10/09/19 15:25**

**Percent Solids: 82.4**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Acetone	<0.017		0.017	0.0073	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Bromomethane	<0.0042 *		0.0042	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Chloroethane	<0.0042		0.0042	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Methylene Chloride	<0.0042		0.0042	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	10/09/19 17:33	10/17/19 13:45	1
4-Bromofluorobenzene (Surr)	98		75 - 131	10/09/19 17:33	10/17/19 13:45	1
Dibromofluoromethane	92		75 - 126	10/09/19 17:33	10/17/19 13:45	1
Toluene-d8 (Surr)	91		75 - 124	10/09/19 17:33	10/17/19 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	<0.20		0.20	0.043	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-26(10-15)-100819**

**Lab Sample ID: 500-171471-19**

Date Collected: 10/08/19 23:15

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 82.4

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
<b>2-Methylnaphthalene</b>	<b>0.022</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
<b>Benzo[a]pyrene</b>	<b>0.048</b>		0.040	0.0078	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
<b>Di-n-octyl phthalate</b>	<b>0.088</b>	<b>J</b>	0.20	0.066	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-26(10-15)-100819**

**Lab Sample ID: 500-171471-19**

Date Collected: 10/08/19 23:15

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 82.4

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
<b>Naphthalene</b>	<b>0.0064</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
<b>Phenanthrene</b>	<b>0.060</b>		0.040	0.0056	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	10/16/19 16:34	10/17/19 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	44		31 - 143	10/16/19 16:34	10/17/19 17:06	1
2-Fluorobiphenyl	68		43 - 145	10/16/19 16:34	10/17/19 17:06	1
2-Fluorophenol	75		31 - 166	10/16/19 16:34	10/17/19 17:06	1
Nitrobenzene-d5	44		37 - 147	10/16/19 16:34	10/17/19 17:06	1
Phenol-d5	62		30 - 153	10/16/19 16:34	10/17/19 17:06	1
Terphenyl-d14	82		42 - 157	10/16/19 16:34	10/17/19 17:06	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 15:19	10/17/19 17:31	1
<b>Barium</b>	<b>0.63</b>		0.50	0.050	mg/L		10/16/19 15:19	10/17/19 17:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:19	10/17/19 17:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:19	10/17/19 17:31	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:31	1
<b>Cobalt</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:31	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:31	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:19	10/17/19 17:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:19	10/17/19 17:31	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/16/19 15:19	10/18/19 21:26	1
<b>Nickel</b>	<b>0.045</b>		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:31	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:19	10/17/19 17:31	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:19	10/17/19 17:31	1
<b>Zinc</b>	<b>0.046</b>	<b>J</b>	0.50	0.020	mg/L		10/16/19 15:19	10/17/19 17:31	1

## Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 10:49	10/17/19 15:22	1
<b>Barium</b>	<b>0.053</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 10:49	10/17/19 15:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:49	10/17/19 15:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:49	10/17/19 15:22	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:22	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:22	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:22	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 10:49	10/17/19 15:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:49	10/17/19 15:22	1
<b>Manganese</b>	<b>0.026</b>		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:22	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:49	10/17/19 15:22	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:49	10/17/19 15:22	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

**Client Sample ID: ROW-26(10-15)-100819**

**Lab Sample ID: 500-171471-19**

Date Collected: 10/08/19 23:15

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 82.4

**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		10/16/19 10:49	10/17/19 15:22	1
Zinc	0.029	J B	0.50	0.020	mg/L		10/16/19 10:49	10/17/19 15:22	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.57	J B	1.2	0.23	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Arsenic	7.2		0.60	0.20	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Barium	36		0.60	0.068	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Beryllium	0.76		0.24	0.056	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Cadmium	0.14	B	0.12	0.021	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Calcium	54000	B	120	20	mg/Kg	☼	10/17/19 09:25	10/20/19 14:53	10
Chromium	16		0.60	0.29	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Cobalt	14		0.30	0.078	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Copper	28		0.60	0.17	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Iron	20000		12	6.2	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Lead	14		0.30	0.14	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Magnesium	23000		6.0	3.0	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Manganese	370		0.60	0.086	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Nickel	35		0.60	0.17	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Potassium	3500		30	11	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Selenium	0.41	J	0.60	0.35	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Silver	2.6		0.30	0.077	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Sodium	190		60	8.8	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Thallium	0.73		0.60	0.30	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Vanadium	21		0.30	0.070	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1
Zinc	52		1.2	0.52	mg/Kg	☼	10/17/19 09:25	10/18/19 16:32	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 10:17	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 10:10	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.019	0.0065	mg/Kg	☼	10/14/19 15:15	10/15/19 08:07	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/11/19 12:23	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171471-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
^	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.
E	Result exceeded calibration range.
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 - Circle Interchange-WO 003

Job ID: 500-171471-1

## 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	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 60  
Phone: 708.534.5200 Fax: 708.534.5200



500-171471 COC

Report To (optional)  
Contact: Andrew Slesser  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: SAME  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference#: \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171471

Chain of Custody Number: \_\_\_\_\_

Page 1 of 5

Temperature °C of Cooler: 37.3, 24.2, 28.3, 30

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
<u>Weston</u>		<u>02056.016.003</u>									
Project Name		Project Location/State		Lab Project #		Lab PM					
<u>RDOT 40/44</u>		<u>Chicago, IL</u>									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SUOCs	Trace metals	TEMP/SPEC metals	PH
<u>1</u>		<u>ROW-14(4-10)-100819</u>	<u>10/8/19</u>	<u>2300</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>2</u>		<u>ROW-14(10-15)-100819</u>		<u>2305</u>							
<u>3</u>		<u>ROW-18(3-4)-100819</u>		<u>2320</u>							
<u>4</u>		<u>ROW-18(4-10)-100819</u>		<u>2325</u>							
<u>5</u>		<u>ROW-18(10-15)-100819</u>		<u>2330</u>							
<u>6</u>		<u>ROW-18(4-10)-100819</u>		<u>2345</u>							
<u>7</u>		<u>ROW-18(10-15)-100819</u>		<u>2350</u>							
<u>8</u>		<u>ROW-20(4-10)-100919</u>	<u>10/9/19</u>	<u>0000</u>							
<u>9</u>		<u>ROW-20(10-15)-100919</u>		<u>0005</u>							
<u>10</u>		<u>ROW-23(4-10)-100919</u>		<u>0020</u>							

- Preservative Key
- HCL, Cool to 4°
  - H2SO4, Cool to 4°
  - HNO3, Cool to 4°
  - NaOH, Cool to 4°
  - NaOH/Zn, Cool to 4°
  - NaHSO4
  - Cool to 4°
  - None
  - Other

Turnaround Time Required (Business Days): 7 Days  
Requested Due Date: \_\_\_\_\_

Sample Disposal:  Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>WS</u> Date: <u>10/9/19</u> Time: <u>1420</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/9/19</u> Time: <u>1420</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/9/19</u> Time: <u>1525</u>	Received By: <u>[Signature]</u> Company: <u>TA-CRT</u> Date: <u>10/9/19</u> Time: <u>1525</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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: \_\_\_\_\_  
Address: SAME  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference#: \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171471  
Chain of Custody Number: \_\_\_\_\_  
Page 2 of 5  
Temperature of Cooler: 3, 7, 3, 0, 2, 4, 2, 0, 3, 0

Client		Client Project #		Preservative		Parameter		Comments				
<u>Weston</u>		<u>02056-016-003</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 #		# of Containers	Matrix	VOCs	SVOCs	Total metals	TECP / SAP metals	pH		
<u>DDOT 90/94</u>												
Project Location/State		Lab PM										
<u>Chicago, IL</u>												
Sampler												
<u>C. Pace + M. Dchid</u>												
Lab ID	MS/MSD	Sample ID		Sampling								
		Date	Time									
<u>11</u>		<u>ROW-23(10-15)-100919</u>	<u>10/9/19</u>	<u>0025</u>	<u>C</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>12</u>		<u>ROW-23(10-15)-100919D</u>		<u>0025</u>								
<u>13</u>		<u>ROW-24(4-10)-100919</u>		<u>0045</u>								
<u>14</u>		<u>ROW-24(10-15)-100919</u>		<u>0050</u>								
<u>15</u>		<u>ROW-25(4-10)-100919</u>		<u>0115</u>								
<u>16</u>		<u>ROW-25(10-15)-100919</u>		<u>0120</u>								
<u>17</u>		<u>ROW-26(2-4)-100819</u>	<u>10/8/19</u>	<u>2300</u>								
<u>18</u>		<u>ROW-26(4-10)-100819</u>		<u>2305</u>								
<u>19</u>		<u>ROW-26(10-15)-100819</u>		<u>2315</u>								
<u>20</u>		<u>ROW-27(2-4)-100819</u>		<u>2330</u>								

Turnaround Time Required (Business Days)

1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other

Requested Due Date \_\_\_\_\_

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u> Company <u>WS</u> Date <u>10/9/19</u> Time <u>1420</u>	Received By <u>[Signature]</u> Company <u>WA</u> Date <u>10/9/19</u> Time <u>1420</u>	Lab Courier <u>WA</u>
Relinquished By <u>[Signature]</u> Company <u>WA</u> Date <u>10/9/19</u> Time <u>1525</u>	Received By <u>[Signature]</u> Company <u>WA-ART</u> Date <u>10/9/19</u> Time <u>1525</u>	Shipped _____
Relinquished By _____ Company _____ Date _____ Time _____	Received By _____ Company _____ Date _____ Time _____	Hand Delivered _____

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments

Lab Comments:

## Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-171471-1

**Login Number: 171471**

**List Source: Eurofins TestAmerica, Chicago**

**List Number: 1**

**Creator: Scott, Sherri L**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7,3.0,2.4,2.8,3.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

Laboratory Job ID: 500-171473-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

Weston Solutions, Inc.  
300 Plaza Circle, Suite 202  
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers



Authorized for release by:  
10/21/2019 1:28:04 PM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-28(8-10)-100919**

**Lab Sample ID: 500-171473-6**

Date Collected: 10/09/19 00:30

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.6

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
1,1-Dichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Acetone	<0.016		0.016	0.0068	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Bromoform	<0.0016		0.0016	0.00045	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Bromomethane	<0.0039 *		0.0039	0.0015	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Chlorobenzene	<0.0016		0.0016	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Chloroethane	<0.0039		0.0039	0.0011	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Ethylbenzene	<0.0016		0.0016	0.00074	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
methyl isobutyl ketone	<0.0039		0.0039	0.0011	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Trichloroethene	<0.0016		0.0016	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	10/09/19 17:33	10/17/19 16:21	1
4-Bromofluorobenzene (Surr)	125		75 - 131	10/09/19 17:33	10/17/19 16:21	1
Dibromofluoromethane	93		75 - 126	10/09/19 17:33	10/17/19 16:21	1
Toluene-d8 (Surr)	100		75 - 124	10/09/19 17:33	10/17/19 16:21	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-28(8-10)-100919**

**Lab Sample ID: 500-171473-6**

Date Collected: 10/09/19 00:30

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.091	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
<b>2-Methylnaphthalene</b>	<b>0.051</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
<b>Acenaphthene</b>	<b>0.011</b>	<b>J</b>	0.039	0.0071	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Benzo[b]fluoranthene	<0.039		0.039	0.0086	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
<b>Chrysene</b>	<b>0.026</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Fluoranthene	<0.039		0.039	0.0074	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
<b>Fluorene</b>	<b>0.0071</b>	<b>J</b>	0.039	0.0056	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-28(8-10)-100919**

**Lab Sample ID: 500-171473-6**

Date Collected: 10/09/19 00:30

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.6

**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	<0.039		0.039	0.010	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
<b>Naphthalene</b>	<b>0.016</b>	<b>J</b>	0.039	0.0061	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
<b>Phenanthrene</b>	<b>0.12</b>		0.039	0.0055	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
<b>Pyrene</b>	<b>0.015</b>	<b>J</b>	0.039	0.0079	mg/Kg	☼	10/17/19 08:02	10/17/19 21:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	60		31 - 143				10/17/19 08:02	10/17/19 21:22	1
2-Fluorobiphenyl	73		43 - 145				10/17/19 08:02	10/17/19 21:22	1
2-Fluorophenol	69		31 - 166				10/17/19 08:02	10/17/19 21:22	1
Nitrobenzene-d5	72		37 - 147				10/17/19 08:02	10/17/19 21:22	1
Phenol-d5	67		30 - 153				10/17/19 08:02	10/17/19 21:22	1
Terphenyl-d14	81		42 - 157				10/17/19 08:02	10/17/19 21:22	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 15:23	10/17/19 18:29	1
<b>Barium</b>	<b>0.59</b>		0.50	0.050	mg/L		10/16/19 15:23	10/17/19 18:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:23	10/17/19 18:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:23	10/17/19 18:29	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:29	1
<b>Cobalt</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:29	1
<b>Copper</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:29	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:23	10/17/19 18:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:23	10/19/19 04:55	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:29	1
<b>Nickel</b>	<b>0.073</b>		0.025	0.010	mg/L		10/16/19 15:23	10/19/19 04:55	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:23	10/17/19 18:29	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:29	1
<b>Zinc</b>	<b>0.021</b>	<b>J</b>	0.50	0.020	mg/L		10/16/19 15:23	10/17/19 18:29	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 10:54	10/17/19 12:05	1
<b>Barium</b>	<b>0.060</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 10:54	10/17/19 12:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:54	10/17/19 12:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:54	10/17/19 12:05	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:05	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:05	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:05	1
<b>Iron</b>	<b>1.6</b>		0.40	0.20	mg/L		10/16/19 10:54	10/17/19 12:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:54	10/17/19 12:05	1
<b>Manganese</b>	<b>0.041</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:05	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:05	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:54	10/17/19 12:05	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-28(8-10)-100919**

**Lab Sample ID: 500-171473-6**

Date Collected: 10/09/19 00:30

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.6

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:05	1
<b>Zinc</b>	<b>0.042</b>	<b>J</b>	0.50	0.020	mg/L		10/16/19 10:54	10/17/19 12:05	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.48</b>	<b>J B</b>	1.1	0.22	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Arsenic</b>	<b>8.7</b>		0.57	0.19	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Barium</b>	<b>40</b>		0.57	0.065	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Beryllium</b>	<b>0.95</b>		0.23	0.053	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Cadmium</b>	<b>0.13</b>		0.11	0.020	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Calcium</b>	<b>33000</b>	<b>B</b>	11	1.9	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Chromium</b>	<b>19</b>		0.57	0.28	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Cobalt</b>	<b>16</b>		0.28	0.074	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Copper</b>	<b>36</b>		0.57	0.16	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Iron</b>	<b>22000</b>	<b>B</b>	11	5.9	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Lead</b>	<b>16</b>		0.28	0.13	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Magnesium</b>	<b>18000</b>	<b>B</b>	5.7	2.8	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Manganese</b>	<b>290</b>		0.57	0.082	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Nickel</b>	<b>42</b>		0.57	0.17	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Potassium</b>	<b>4500</b>		28	10	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Selenium</b>	<b>1.0</b>	<b>B</b>	0.57	0.33	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Silver</b>	<b>2.9</b>		0.28	0.073	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Sodium</b>	<b>880</b>		57	8.4	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Thallium</b>	<b>1.2</b>		0.57	0.28	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Vanadium</b>	<b>25</b>		0.28	0.067	mg/Kg	☼	10/17/19 10:07	10/18/19 22:12	1
<b>Zinc</b>	<b>47</b>		1.1	0.50	mg/Kg	☼	10/17/19 10:07	10/20/19 15:45	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 10:40	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 10:30	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.019</b>		0.018	0.0060	mg/Kg	☼	10/15/19 14:40	10/16/19 09:30	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.0</b>		0.2	0.2	SU			10/11/19 15:03	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-28(10-15)-100919**

**Lab Sample ID: 500-171473-7**

**Date Collected: 10/09/19 00:40**

**Matrix: Solid**

**Date Received: 10/09/19 15:25**

**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	<0.0017		0.0017	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
<b>Acetone</b>	<b>0.011</b>	<b>J</b>	0.017	0.0072	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Bromoform	<0.0017		0.0017	0.00048	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Bromomethane	<0.0041	*	0.0041	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Carbon disulfide	<0.0041		0.0041	0.00086	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Chloroform	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Chloromethane	<0.0041		0.0041	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00046	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Ethylbenzene	<0.0017		0.0017	0.00079	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Tetrachloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00073	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Vinyl chloride	<0.0017		0.0017	0.00073	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		70 - 134	10/09/19 17:33	10/17/19 16:47	1
4-Bromofluorobenzene (Surr)	103		75 - 131	10/09/19 17:33	10/17/19 16:47	1
Dibromofluoromethane	89		75 - 126	10/09/19 17:33	10/17/19 16:47	1
Toluene-d8 (Surr)	96		75 - 124	10/09/19 17:33	10/17/19 16:47	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-28(10-15)-100919**

**Lab Sample ID: 500-171473-7**

Date Collected: 10/09/19 00:40

Matrix: Solid

Date Received: 10/09/19 15:25

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	<0.37		0.37	0.085	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
<b>2-Methylnaphthalene</b>	<b>0.048</b>	<b>J</b>	0.075	0.0068	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Benzo[a]pyrene	<0.037		0.037	0.0072	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
<b>Chrysene</b>	<b>0.039</b>		0.037	0.010	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
<b>Fluorene</b>	<b>0.0099</b>	<b>J</b>	0.037	0.0052	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-28(10-15)-100919**

**Lab Sample ID: 500-171473-7**

Date Collected: 10/09/19 00:40

Matrix: Solid

Date Received: 10/09/19 15:25

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	<0.037		0.037	0.0096	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
<b>Naphthalene</b>	<b>0.014</b>	<b>J</b>	0.037	0.0057	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
<b>N-Nitrosodiphenylamine</b>	<b>0.21</b>		0.19	0.044	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
<b>Phenanthrene</b>	<b>0.19</b>		0.037	0.0052	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	10/17/19 08:02	10/18/19 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	53		31 - 143	10/17/19 08:02	10/18/19 14:27	1
2-Fluorobiphenyl	71		43 - 145	10/17/19 08:02	10/18/19 14:27	1
2-Fluorophenol	79		31 - 166	10/17/19 08:02	10/18/19 14:27	1
Nitrobenzene-d5	42		37 - 147	10/17/19 08:02	10/18/19 14:27	1
Phenol-d5	65		30 - 153	10/17/19 08:02	10/18/19 14:27	1
Terphenyl-d14	92		42 - 157	10/17/19 08:02	10/18/19 14:27	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		10/16/19 15:23	10/17/19 18:33	1
<b>Barium</b>	<b>0.48</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 15:23	10/17/19 18:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:23	10/17/19 18:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:23	10/17/19 18:33	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:33	1
<b>Cobalt</b>	<b>0.016</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:33	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:33	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:23	10/17/19 18:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:23	10/19/19 05:00	1
<b>Manganese</b>	<b>1.3</b>		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:33	1
<b>Nickel</b>	<b>0.046</b>		0.025	0.010	mg/L		10/16/19 15:23	10/19/19 05:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:23	10/17/19 18:33	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:33	1
Zinc	<0.50		0.50	0.020	mg/L		10/16/19 15:23	10/17/19 18:33	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 10:54	10/17/19 12:09	1
Barium	<0.50		0.50	0.050	mg/L		10/16/19 10:54	10/17/19 12:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:54	10/17/19 12:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:54	10/17/19 12:09	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:09	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:09	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:09	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 10:54	10/17/19 12:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:54	10/17/19 12:09	1
<b>Manganese</b>	<b>0.027</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:09	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:09	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:54	10/17/19 12:09	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-28(10-15)-100919**

**Lab Sample ID: 500-171473-7**

Date Collected: 10/09/19 00:40

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 85.0

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:09	1
Zinc	0.028	J	0.50	0.020	mg/L		10/16/19 10:54	10/17/19 12:09	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.52	J B	1.1	0.21	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Arsenic	8.7		0.54	0.18	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Barium	33		0.54	0.061	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Beryllium	0.76		0.21	0.050	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Cadmium	0.17		0.11	0.019	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Calcium	41000	B	110	18	mg/Kg	☼	10/17/19 10:07	10/20/19 15:54	10
Chromium	16		0.54	0.27	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Cobalt	15		0.27	0.070	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Copper	39		0.54	0.15	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Iron	20000	B	11	5.6	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Lead	15		0.27	0.12	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Magnesium	17000	B	5.4	2.7	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Manganese	260		0.54	0.078	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Nickel	39		0.54	0.16	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Potassium	3500		27	9.5	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Selenium	0.83	B	0.54	0.32	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Silver	2.5		0.27	0.069	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Sodium	200		54	7.9	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Thallium	1.4		0.54	0.27	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Vanadium	21		0.27	0.063	mg/Kg	☼	10/17/19 10:07	10/18/19 22:16	1
Zinc	41		1.1	0.47	mg/Kg	☼	10/17/19 10:07	10/20/19 15:50	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 10:46	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 10:32	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.018	0.0060	mg/Kg	☼	10/15/19 14:40	10/16/19 09:32	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/11/19 15:07	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-47(5-7)-100919**

**Lab Sample ID: 500-171473-10**

Date Collected: 10/09/19 02:35

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.8

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
<b>Acetone</b>	<b>0.021</b>		0.017	0.0073	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Bromomethane	<0.0042 *		0.0042	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Chloroethane	<0.0042		0.0042	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 18:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	10/09/19 17:33	10/17/19 18:04	1
4-Bromofluorobenzene (Surr)	110		75 - 131	10/09/19 17:33	10/17/19 18:04	1
Dibromofluoromethane	89		75 - 126	10/09/19 17:33	10/17/19 18:04	1
Toluene-d8 (Surr)	95		75 - 124	10/09/19 17:33	10/17/19 18:04	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-47(5-7)-100919**

**Lab Sample ID: 500-171473-10**

Date Collected: 10/09/19 02:35

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.8

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
<b>2-Methylnaphthalene</b>	<b>0.033</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
<b>Acenaphthene</b>	<b>0.0087</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
<b>Chrysene</b>	<b>0.019</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
<b>Fluorene</b>	<b>0.0059</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-47(5-7)-100919**

**Lab Sample ID: 500-171473-10**

Date Collected: 10/09/19 02:35

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.8

**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	<0.040		0.040	0.010	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
<b>Naphthalene</b>	<b>0.0087</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
<b>Phenanthrene</b>	<b>0.087</b>		0.040	0.0056	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
<b>Pyrene</b>	<b>0.018</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/17/19 08:02	10/17/19 22:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	72		31 - 143				10/17/19 08:02	10/17/19 22:57	1
2-Fluorobiphenyl	78		43 - 145				10/17/19 08:02	10/17/19 22:57	1
2-Fluorophenol	74		31 - 166				10/17/19 08:02	10/17/19 22:57	1
Nitrobenzene-d5	74		37 - 147				10/17/19 08:02	10/17/19 22:57	1
Phenol-d5	69		30 - 153				10/17/19 08:02	10/17/19 22:57	1
Terphenyl-d14	93		42 - 157				10/17/19 08:02	10/17/19 22:57	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 15:23	10/17/19 18:46	1
<b>Barium</b>	<b>0.47</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 15:23	10/17/19 18:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:23	10/17/19 18:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:23	10/17/19 18:46	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:46	1
<b>Cobalt</b>	<b>0.020</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:46	1
<b>Copper</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:46	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:23	10/17/19 18:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:23	10/19/19 05:13	1
<b>Manganese</b>	<b>1.4</b>		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:46	1
<b>Nickel</b>	<b>0.048</b>		0.025	0.010	mg/L		10/16/19 15:23	10/19/19 05:13	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:23	10/17/19 18:46	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:46	1
<b>Zinc</b>	<b>0.022</b>	<b>J</b>	0.50	0.020	mg/L		10/16/19 15:23	10/17/19 18:46	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.013</b>	<b>J</b>	0.050	0.010	mg/L		10/16/19 10:54	10/17/19 12:35	1
<b>Barium</b>	<b>0.37</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 10:54	10/17/19 12:35	1
<b>Beryllium</b>	<b>0.0050</b>		0.0040	0.0040	mg/L		10/16/19 10:54	10/17/19 12:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:54	10/17/19 12:35	1
<b>Chromium</b>	<b>0.11</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:35	1
<b>Cobalt</b>	<b>0.041</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:35	1
<b>Copper</b>	<b>0.077</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:35	1
<b>Iron</b>	<b>67</b>		0.40	0.20	mg/L		10/16/19 10:54	10/17/19 12:35	1
<b>Lead</b>	<b>0.042</b>		0.0075	0.0075	mg/L		10/16/19 10:54	10/17/19 12:35	1
<b>Manganese</b>	<b>0.60</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:35	1
<b>Nickel</b>	<b>0.11</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:35	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:54	10/17/19 12:35	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-47(5-7)-100919**

**Lab Sample ID: 500-171473-10**

Date Collected: 10/09/19 02:35

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.8

**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		10/16/19 10:54	10/17/19 12:35	1
Zinc	0.14	J	0.50	0.020	mg/L		10/16/19 10:54	10/17/19 12:35	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.78	J B	1.1	0.22	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Arsenic	7.0		0.56	0.19	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Barium	40		0.56	0.064	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Beryllium	0.72		0.22	0.052	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Cadmium	0.16		0.11	0.020	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Calcium	79000	B	110	19	mg/Kg	☼	10/17/19 10:07	10/20/19 16:14	10
Chromium	15		0.56	0.28	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Cobalt	13		0.28	0.073	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Copper	28		0.56	0.16	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Iron	19000	B	11	5.8	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Lead	13		0.28	0.13	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Magnesium	33000	B	5.6	2.8	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Manganese	380		0.56	0.081	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Nickel	33		0.56	0.16	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Potassium	3600		28	9.9	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Selenium	0.75	B	0.56	0.33	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Silver	2.5		0.28	0.072	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Sodium	1200		56	8.3	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Thallium	0.98		0.56	0.28	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Vanadium	20		0.28	0.066	mg/Kg	☼	10/17/19 10:07	10/18/19 22:36	1
Zinc	52		1.1	0.49	mg/Kg	☼	10/17/19 10:07	10/20/19 16:10	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 10:54	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		10/15/19 11:05	10/16/19 10:40	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.020	0.0065	mg/Kg	☼	10/15/19 14:40	10/16/19 09:45	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.2	0.2	SU			10/11/19 15:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-48(5-7)-100919**

**Lab Sample ID: 500-171473-11**

Date Collected: 10/09/19 02:30

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 80.8

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Acetone	<0.016		0.016	0.0069	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Bromomethane	<0.0039 *		0.0039	0.0015	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0018	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Methylene Chloride	<0.0039		0.0039	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1
Xylenes, Total	<0.0032		0.0032	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	10/09/19 17:33	10/17/19 18:30	1
4-Bromofluorobenzene (Surr)	100		75 - 131	10/09/19 17:33	10/17/19 18:30	1
Dibromofluoromethane	92		75 - 126	10/09/19 17:33	10/17/19 18:30	1
Toluene-d8 (Surr)	95		75 - 124	10/09/19 17:33	10/17/19 18:30	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-48(5-7)-100919**

**Lab Sample ID: 500-171473-11**

Date Collected: 10/09/19 02:30

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 80.8

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
<b>2-Methylnaphthalene</b>	<b>0.014</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
<b>Benzo[a]anthracene</b>	<b>0.011</b>	<b>J</b>	0.039	0.0052	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
<b>Benzo[a]pyrene</b>	<b>0.012</b>	<b>J</b>	0.039	0.0075	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
<b>Benzo[b]fluoranthene</b>	<b>0.018</b>	<b>J</b>	0.039	0.0084	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
<b>Benzo[g,h,i]perylene</b>	<b>0.015</b>	<b>J</b>	0.039	0.013	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
<b>Chrysene</b>	<b>0.033</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Dibenzofuran	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
<b>Fluoranthene</b>	<b>0.016</b>	<b>J</b>	0.039	0.0072	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-48(5-7)-100919**

**Lab Sample ID: 500-171473-11**

Date Collected: 10/09/19 02:30

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 80.8

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
<b>Phenanthrene</b>	<b>0.061</b>		0.039	0.0054	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
<b>Pyrene</b>	<b>0.032</b>	<b>J</b>	0.039	0.0077	mg/Kg	☼	10/17/19 08:02	10/17/19 23:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	71		31 - 143				10/17/19 08:02	10/17/19 23:21	1
2-Fluorobiphenyl	78		43 - 145				10/17/19 08:02	10/17/19 23:21	1
2-Fluorophenol	71		31 - 166				10/17/19 08:02	10/17/19 23:21	1
Nitrobenzene-d5	71		37 - 147				10/17/19 08:02	10/17/19 23:21	1
Phenol-d5	70		30 - 153				10/17/19 08:02	10/17/19 23:21	1
Terphenyl-d14	99		42 - 157				10/17/19 08:02	10/17/19 23:21	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 15:23	10/17/19 18:50	1
<b>Barium</b>	<b>0.45</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 15:23	10/17/19 18:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:23	10/17/19 18:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:23	10/17/19 18:50	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:50	1
<b>Cobalt</b>	<b>0.016</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:50	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:50	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:23	10/17/19 18:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:23	10/19/19 05:17	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:50	1
<b>Nickel</b>	<b>0.043</b>		0.025	0.010	mg/L		10/16/19 15:23	10/19/19 05:17	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:23	10/17/19 18:50	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:50	1
<b>Zinc</b>	<b>0.065</b>	<b>J</b>	0.50	0.020	mg/L		10/16/19 15:23	10/17/19 18:50	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		10/16/19 10:54	10/17/19 12:39	1
<b>Barium</b>	<b>0.11</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 10:54	10/17/19 12:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:54	10/17/19 12:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:54	10/17/19 12:39	1
<b>Chromium</b>	<b>0.031</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:39	1
<b>Cobalt</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:39	1
<b>Copper</b>	<b>0.044</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:39	1
<b>Iron</b>	<b>19</b>		0.40	0.20	mg/L		10/16/19 10:54	10/17/19 12:39	1
<b>Lead</b>	<b>0.010</b>		0.0075	0.0075	mg/L		10/16/19 10:54	10/17/19 12:39	1
<b>Manganese</b>	<b>0.14</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:39	1
<b>Nickel</b>	<b>0.028</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:39	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:54	10/17/19 12:39	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-48(5-7)-100919**

**Lab Sample ID: 500-171473-11**

Date Collected: 10/09/19 02:30

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 80.8

**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		10/16/19 10:54	10/17/19 12:39	1
<b>Zinc</b>	<b>0.12</b>	<b>J</b>	0.50	0.020	mg/L		10/16/19 10:54	10/17/19 12:39	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.61</b>	<b>J B</b>	1.1	0.22	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Arsenic</b>	<b>7.2</b>		0.56	0.19	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Barium</b>	<b>40</b>		0.56	0.064	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Beryllium</b>	<b>0.66</b>		0.23	0.053	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Cadmium</b>	<b>0.12</b>		0.11	0.020	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Calcium</b>	<b>56000</b>	<b>B</b>	110	19	mg/Kg	☼	10/17/19 10:07	10/20/19 16:30	10
<b>Chromium</b>	<b>16</b>		0.56	0.28	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Cobalt</b>	<b>13</b>		0.28	0.074	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Copper</b>	<b>25</b>		0.56	0.16	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Iron</b>	<b>18000</b>	<b>B</b>	11	5.9	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Lead</b>	<b>15</b>		0.28	0.13	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Magnesium</b>	<b>26000</b>	<b>B</b>	5.6	2.8	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Manganese</b>	<b>340</b>		0.56	0.082	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Nickel</b>	<b>31</b>		0.56	0.16	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Potassium</b>	<b>3500</b>		28	10	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Selenium</b>	<b>0.85</b>	<b>B</b>	0.56	0.33	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Silver</b>	<b>2.7</b>		0.28	0.073	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Sodium</b>	<b>750</b>		56	8.3	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Thallium</b>	<b>0.74</b>		0.56	0.28	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Vanadium</b>	<b>21</b>		0.28	0.067	mg/Kg	☼	10/17/19 10:07	10/18/19 22:40	1
<b>Zinc</b>	<b>44</b>		1.1	0.50	mg/Kg	☼	10/17/19 10:07	10/20/19 16:18	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 10:56	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 10:46	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.016</b>	<b>J</b>	0.020	0.0067	mg/Kg	☼	10/15/19 14:40	10/16/19 09:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.4</b>		0.2	0.2	SU			10/11/19 15:33	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-49(4-8)-100919**

**Lab Sample ID: 500-171473-12**

Date Collected: 10/09/19 02:45

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.9

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
1,1,2,2-Tetrachloroethane	<0.0015	*	0.0015	0.00049	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
1,1-Dichloroethane	<0.0015		0.0015	0.00053	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Acetone	<0.015		0.015	0.0067	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Bromomethane	<0.0038	*	0.0038	0.0015	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Carbon disulfide	<0.0038		0.0038	0.00080	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Carbon tetrachloride	<0.0015		0.0015	0.00045	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Chlorobenzene	<0.0015		0.0015	0.00057	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Ethylbenzene	<0.0015		0.0015	0.00074	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	☼	10/09/19 02:45	10/17/19 18:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	10/09/19 02:45	10/17/19 18:57	1
4-Bromofluorobenzene (Surr)	127	*	75 - 131	10/09/19 02:45	10/17/19 18:57	1
Dibromofluoromethane	94		75 - 126	10/09/19 02:45	10/17/19 18:57	1
Toluene-d8 (Surr)	102		75 - 124	10/09/19 02:45	10/17/19 18:57	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-49(4-8)-100919**

**Lab Sample ID: 500-171473-12**

Date Collected: 10/09/19 02:45

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.9

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
<b>2-Methylnaphthalene</b>	<b>0.025</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Acenaphthene	<0.038		0.038	0.0070	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
<b>Benzo[a]pyrene</b>	<b>0.046</b>		0.038	0.0075	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Benzo[b]fluoranthene	<0.038		0.038	0.0084	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
<b>Chrysene</b>	<b>0.029</b>	<b>J</b>	0.038	0.011	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
<b>Fluoranthene</b>	<b>0.016</b>	<b>J</b>	0.038	0.0072	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
<b>Fluorene</b>	<b>0.0094</b>	<b>J</b>	0.038	0.0054	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-49(4-8)-100919**

**Lab Sample ID: 500-171473-12**

Date Collected: 10/09/19 02:45

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.9

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
<b>Naphthalene</b>	<b>0.0096</b>	<b>J</b>	0.038	0.0060	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Nitrobenzene	<0.038		0.038	0.0097	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
<b>Phenanthrene</b>	<b>0.13</b>		0.038	0.0054	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	☼	10/17/19 08:02	10/18/19 15:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	60		31 - 143				10/17/19 08:02	10/18/19 15:22	1
2-Fluorobiphenyl	79		43 - 145				10/17/19 08:02	10/18/19 15:22	1
2-Fluorophenol	94		31 - 166				10/17/19 08:02	10/18/19 15:22	1
Nitrobenzene-d5	49		37 - 147				10/17/19 08:02	10/18/19 15:22	1
Phenol-d5	79		30 - 153				10/17/19 08:02	10/18/19 15:22	1
Terphenyl-d14	103		42 - 157				10/17/19 08:02	10/18/19 15:22	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 15:23	10/17/19 18:54	1
<b>Barium</b>	<b>0.50</b>		0.50	0.050	mg/L		10/16/19 15:23	10/17/19 18:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:23	10/17/19 18:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:23	10/17/19 18:54	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:54	1
<b>Cobalt</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:54	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:54	1
<b>Iron</b>	<b>3.1</b>		0.40	0.20	mg/L		10/16/19 15:23	10/17/19 18:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:23	10/19/19 05:21	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:54	1
<b>Nickel</b>	<b>0.045</b>		0.025	0.010	mg/L		10/16/19 15:23	10/19/19 05:21	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:23	10/17/19 18:54	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 18:54	1
<b>Zinc</b>	<b>0.028</b>	<b>J</b>	0.50	0.020	mg/L		10/16/19 15:23	10/17/19 18:54	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		10/16/19 10:54	10/17/19 12:43	1
<b>Barium</b>	<b>0.087</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 10:54	10/17/19 12:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:54	10/17/19 12:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:54	10/17/19 12:43	1
<b>Chromium</b>	<b>0.016</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:43	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:43	1
<b>Copper</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:43	1
<b>Iron</b>	<b>9.0</b>		0.40	0.20	mg/L		10/16/19 10:54	10/17/19 12:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:54	10/17/19 12:43	1
<b>Manganese</b>	<b>0.087</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:43	1
<b>Nickel</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:43	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:54	10/17/19 12:43	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-49(4-8)-100919**

**Lab Sample ID: 500-171473-12**

Date Collected: 10/09/19 02:45

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.9

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:43	1
<b>Zinc</b>	<b>0.074</b>	<b>J</b>	0.50	0.020	mg/L		10/16/19 10:54	10/17/19 12:43	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.52</b>	<b>J B</b>	1.1	0.22	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Arsenic</b>	<b>9.3</b>		0.57	0.19	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Barium</b>	<b>35</b>		0.57	0.065	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Beryllium</b>	<b>0.70</b>		0.23	0.053	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Cadmium</b>	<b>0.18</b>		0.11	0.020	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Calcium</b>	<b>59000</b>	<b>B</b>	110	19	mg/Kg	☼	10/17/19 10:07	10/20/19 16:38	10
<b>Chromium</b>	<b>15</b>		0.57	0.28	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Cobalt</b>	<b>15</b>		0.28	0.075	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Copper</b>	<b>36</b>		0.57	0.16	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Iron</b>	<b>21000</b>	<b>B</b>	11	5.9	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Lead</b>	<b>16</b>		0.28	0.13	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Magnesium</b>	<b>27000</b>	<b>B</b>	5.7	2.8	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Manganese</b>	<b>430</b>		0.57	0.083	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Nickel</b>	<b>39</b>		0.57	0.17	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Potassium</b>	<b>3700</b>		28	10	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Selenium</b>	<b>1.2</b>	<b>B</b>	0.57	0.33	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Silver</b>	<b>2.6</b>		0.28	0.073	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Sodium</b>	<b>740</b>		57	8.4	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Thallium</b>	<b>1.1</b>		0.57	0.28	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Vanadium</b>	<b>20</b>		0.28	0.067	mg/Kg	☼	10/17/19 10:07	10/18/19 22:44	1
<b>Zinc</b>	<b>52</b>		1.1	0.50	mg/Kg	☼	10/17/19 10:07	10/20/19 16:34	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 10:57	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 10:47	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.021</b>		0.018	0.0060	mg/Kg	☼	10/15/19 14:40	10/16/19 09:54	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.2</b>		0.2	0.2	SU			10/11/19 15:37	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-50(4-8)-100919**

**Lab Sample ID: 500-171473-13**

Date Collected: 10/09/19 03:00

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 84.2

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Acetone	<0.016		0.016	0.0069	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Bromomethane	<0.0040 *		0.0040	0.0015	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	10/09/19 17:33	10/17/19 19:23	1
4-Bromofluorobenzene (Surr)	101		75 - 131	10/09/19 17:33	10/17/19 19:23	1
Dibromofluoromethane	91		75 - 126	10/09/19 17:33	10/17/19 19:23	1
Toluene-d8 (Surr)	96		75 - 124	10/09/19 17:33	10/17/19 19:23	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-50(4-8)-100919**

**Lab Sample ID: 500-171473-13**

Date Collected: 10/09/19 03:00

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 84.2

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
<b>2-Methylnaphthalene</b>	<b>0.0082</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
<b>Benzo[a]anthracene</b>	<b>0.012</b>	<b>J</b>	0.038	0.0052	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
<b>Benzo[a]pyrene</b>	<b>0.011</b>	<b>J</b>	0.038	0.0075	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
<b>Benzo[b]fluoranthene</b>	<b>0.018</b>	<b>J</b>	0.038	0.0083	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
<b>Chrysene</b>	<b>0.020</b>	<b>J</b>	0.038	0.011	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
<b>Fluoranthene</b>	<b>0.023</b>	<b>J</b>	0.038	0.0071	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-50(4-8)-100919**

**Lab Sample ID: 500-171473-13**

Date Collected: 10/09/19 03:00

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 84.2

## 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	<0.038		0.038	0.010	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
<b>Phenanthrene</b>	<b>0.057</b>		0.038	0.0054	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
<b>Pyrene</b>	<b>0.032</b>	<b>J</b>	0.038	0.0077	mg/Kg	☼	10/17/19 08:02	10/18/19 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	66		31 - 143				10/17/19 08:02	10/18/19 00:08	1
2-Fluorobiphenyl	57		43 - 145				10/17/19 08:02	10/18/19 00:08	1
2-Fluorophenol	73		31 - 166				10/17/19 08:02	10/18/19 00:08	1
Nitrobenzene-d5	72		37 - 147				10/17/19 08:02	10/18/19 00:08	1
Phenol-d5	71		30 - 153				10/17/19 08:02	10/18/19 00:08	1
Terphenyl-d14	91		42 - 157				10/17/19 08:02	10/18/19 00:08	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 15:23	10/17/19 19:07	1
<b>Barium</b>	<b>0.50</b>		0.50	0.050	mg/L		10/16/19 15:23	10/17/19 19:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:23	10/17/19 19:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:23	10/17/19 19:07	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:07	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:07	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:07	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:23	10/17/19 19:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:23	10/19/19 05:26	1
<b>Manganese</b>	<b>1.0</b>		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:07	1
<b>Nickel</b>	<b>0.025</b>		0.025	0.010	mg/L		10/16/19 15:23	10/19/19 05:26	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:23	10/17/19 19:07	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:07	1
<b>Zinc</b>	<b>0.033</b>	<b>J</b>	0.50	0.020	mg/L		10/16/19 15:23	10/17/19 19:07	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		10/16/19 10:54	10/17/19 12:47	1
<b>Barium</b>	<b>0.18</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 10:54	10/17/19 12:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:54	10/17/19 12:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:54	10/17/19 12:47	1
<b>Chromium</b>	<b>0.051</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:47	1
<b>Cobalt</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:47	1
<b>Copper</b>	<b>0.041</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:47	1
<b>Iron</b>	<b>33</b>		0.40	0.20	mg/L		10/16/19 10:54	10/17/19 12:47	1
<b>Lead</b>	<b>0.022</b>		0.0075	0.0075	mg/L		10/16/19 10:54	10/17/19 12:47	1
<b>Manganese</b>	<b>0.23</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:47	1
<b>Nickel</b>	<b>0.046</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 12:47	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:54	10/17/19 12:47	1

Eurolins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-50(4-8)-100919**

**Lab Sample ID: 500-171473-13**

Date Collected: 10/09/19 03:00

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 84.2

**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		10/16/19 10:54	10/17/19 12:47	1
Zinc	0.19	J	0.50	0.020	mg/L		10/16/19 10:54	10/17/19 12:47	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.55	J B	1.2	0.23	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Arsenic	4.2		0.58	0.20	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Barium	31		0.58	0.066	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Beryllium	0.51		0.23	0.054	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Cadmium	0.14		0.12	0.021	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Calcium	140000	B	120	20	mg/Kg	☼	10/17/19 10:07	10/20/19 16:46	10
Chromium	9.8		0.58	0.29	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Cobalt	8.3		0.29	0.076	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Copper	16		0.58	0.16	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Iron	11000	B	12	6.0	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Lead	13		0.29	0.13	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Magnesium	84000	B	58	29	mg/Kg	☼	10/17/19 10:07	10/20/19 16:46	10
Manganese	230		0.58	0.084	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Nickel	19		0.58	0.17	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Potassium	2500		29	10	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Selenium	0.76	B	0.58	0.34	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Silver	1.6		0.29	0.075	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Sodium	360		58	8.6	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Thallium	0.34	J	0.58	0.29	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Vanadium	14		0.29	0.069	mg/Kg	☼	10/17/19 10:07	10/18/19 22:48	1
Zinc	30		1.2	0.51	mg/Kg	☼	10/17/19 10:07	10/20/19 16:42	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 10:59	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 10:49	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.018	0.0059	mg/Kg	☼	10/15/19 14:40	10/16/19 09:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.2	0.2	SU			10/11/19 15:42	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-68(2-4)-100919**

**Lab Sample ID: 500-171473-17**

**Date Collected: 10/09/19 03:10**

**Matrix: Solid**

**Date Received: 10/09/19 15:25**

**Percent Solids: 82.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Acetone	<0.016		0.016	0.0069	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Chloroethane	<0.0039 *		0.0039	0.0012	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0018	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Methylene Chloride	<0.0039		0.0039	0.0016	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	10/09/19 17:33	10/18/19 14:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	10/09/19 17:33	10/18/19 14:56	1
4-Bromofluorobenzene (Surr)	114		75 - 131	10/09/19 17:33	10/18/19 14:56	1
Dibromofluoromethane	95		75 - 126	10/09/19 17:33	10/18/19 14:56	1
Toluene-d8 (Surr)	99		75 - 124	10/09/19 17:33	10/18/19 14:56	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-68(2-4)-100919**

**Lab Sample ID: 500-171473-17**

Date Collected: 10/09/19 03:10

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 82.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.091	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
<b>2-Methylnaphthalene</b>	<b>0.072</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
4-Chloro-3-methylphenol	<0.39		0.39	0.14	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
<b>Acenaphthene</b>	<b>0.014</b>	<b>J</b>	0.039	0.0071	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Benzo[b]fluoranthene	<0.039		0.039	0.0086	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
<b>Chrysene</b>	<b>0.025</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Fluoranthene	<0.039		0.039	0.0074	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
<b>Fluorene</b>	<b>0.0071</b>	<b>J</b>	0.039	0.0056	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-68(2-4)-100919**

**Lab Sample ID: 500-171473-17**

Date Collected: 10/09/19 03:10

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 82.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
<b>Naphthalene</b>	<b>0.015</b>	<b>J</b>	0.039	0.0061	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
<b>Phenanthrene</b>	<b>0.12</b>		0.039	0.0055	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
<b>Pyrene</b>	<b>0.024</b>	<b>J</b>	0.039	0.0079	mg/Kg	☼	10/17/19 08:02	10/18/19 01:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	52		31 - 143				10/17/19 08:02	10/18/19 01:43	1
2-Fluorobiphenyl	72		43 - 145				10/17/19 08:02	10/18/19 01:43	1
2-Fluorophenol	67		31 - 166				10/17/19 08:02	10/18/19 01:43	1
Nitrobenzene-d5	68		37 - 147				10/17/19 08:02	10/18/19 01:43	1
Phenol-d5	67		30 - 153				10/17/19 08:02	10/18/19 01:43	1
Terphenyl-d14	95		42 - 157				10/17/19 08:02	10/18/19 01:43	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		10/16/19 15:23	10/17/19 19:23	1
<b>Barium</b>	<b>0.50</b>		0.50	0.050	mg/L		10/16/19 15:23	10/17/19 19:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:23	10/17/19 19:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:23	10/17/19 19:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:23	1
<b>Cobalt</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:23	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:23	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:23	10/17/19 19:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:23	10/19/19 05:51	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:23	1
<b>Nickel</b>	<b>0.051</b>		0.025	0.010	mg/L		10/16/19 15:23	10/19/19 05:51	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:23	10/17/19 19:23	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:23	1
<b>Zinc</b>	<b>0.081</b>	<b>J</b>	0.50	0.020	mg/L		10/16/19 15:23	10/17/19 19:23	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 10:54	10/17/19 13:04	1
<b>Barium</b>	<b>0.13</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 10:54	10/17/19 13:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:54	10/17/19 13:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:54	10/17/19 13:04	1
<b>Chromium</b>	<b>0.032</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:04	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:04	1
<b>Copper</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:04	1
<b>Iron</b>	<b>18</b>		0.40	0.20	mg/L		10/16/19 10:54	10/17/19 13:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:54	10/17/19 13:04	1
<b>Manganese</b>	<b>0.16</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:04	1
<b>Nickel</b>	<b>0.026</b>		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:54	10/17/19 13:04	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-68(2-4)-100919**

**Lab Sample ID: 500-171473-17**

Date Collected: 10/09/19 03:10

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 82.6

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:04	1
Zinc	0.15	J	0.50	0.020	mg/L		10/16/19 10:54	10/17/19 13:04	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.57	J B	1.2	0.23	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Arsenic	9.2		0.58	0.20	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Barium	38		0.58	0.067	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Beryllium	0.90		0.23	0.055	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Cadmium	0.12		0.12	0.021	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Calcium	33000	B	12	2.0	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Chromium	18		0.58	0.29	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Cobalt	17		0.29	0.077	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Copper	42		0.58	0.16	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Iron	22000	B	12	6.1	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Lead	17		0.29	0.14	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Magnesium	18000	B	5.8	2.9	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Manganese	310		0.58	0.085	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Nickel	45		0.58	0.17	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Potassium	4400		29	10	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Selenium	1.2	B	0.58	0.34	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Silver	2.8		0.29	0.075	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Sodium	850		58	8.7	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Thallium	1.2		0.58	0.29	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Vanadium	24		0.29	0.069	mg/Kg	☼	10/17/19 10:07	10/18/19 23:04	1
Zinc	50		1.2	0.51	mg/Kg	☼	10/17/19 10:07	10/20/19 17:23	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 11:08	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 10:55	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.019	0.0063	mg/Kg	☼	10/15/19 14:40	10/16/19 10:04	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.2	0.2	SU			10/11/19 15:59	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-68(4-8)-100919**

**Lab Sample ID: 500-171473-18**

**Date Collected: 10/09/19 03:15**

**Matrix: Solid**

**Date Received: 10/09/19 15:25**

**Percent Solids: 84.0**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Acetone	<0.016		0.016	0.0069	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Chloroethane	<0.0040 *		0.0040	0.0012	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	10/09/19 17:33	10/18/19 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	10/09/19 17:33	10/18/19 15:23	1
4-Bromofluorobenzene (Surr)	113		75 - 131	10/09/19 17:33	10/18/19 15:23	1
Dibromofluoromethane	92		75 - 126	10/09/19 17:33	10/18/19 15:23	1
Toluene-d8 (Surr)	101		75 - 124	10/09/19 17:33	10/18/19 15:23	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-68(4-8)-100919**

**Lab Sample ID: 500-171473-18**

Date Collected: 10/09/19 03:15

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 84.0

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
<b>2-Methylnaphthalene</b>	<b>0.031</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
<b>Acenaphthene</b>	<b>0.021</b>	<b>J</b>	0.038	0.0069	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Benzo[a]pyrene	<0.038		0.038	0.0075	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
<b>Chrysene</b>	<b>0.025</b>	<b>J</b>	0.038	0.011	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
<b>Fluoranthene</b>	<b>0.015</b>	<b>J</b>	0.038	0.0071	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
<b>Fluorene</b>	<b>0.0084</b>	<b>J</b>	0.038	0.0054	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-68(4-8)-100919**

**Lab Sample ID: 500-171473-18**

Date Collected: 10/09/19 03:15

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 84.0

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.010	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
<b>Naphthalene</b>	<b>0.0088</b>	<b>J</b>	0.038	0.0059	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
<b>N-Nitrosodiphenylamine</b>	<b>0.12</b>	<b>J</b>	0.19	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
<b>Phenanthrene</b>	<b>0.14</b>		0.038	0.0054	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	10/17/19 08:02	10/18/19 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	57		31 - 143	10/17/19 08:02	10/18/19 16:16	1
2-Fluorobiphenyl	76		43 - 145	10/17/19 08:02	10/18/19 16:16	1
2-Fluorophenol	84		31 - 166	10/17/19 08:02	10/18/19 16:16	1
Nitrobenzene-d5	48		37 - 147	10/17/19 08:02	10/18/19 16:16	1
Phenol-d5	69		30 - 153	10/17/19 08:02	10/18/19 16:16	1
Terphenyl-d14	101		42 - 157	10/17/19 08:02	10/18/19 16:16	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		10/16/19 15:23	10/17/19 19:28	1
<b>Barium</b>	<b>0.40</b>	<b>J</b>	0.50	0.050	mg/L		10/16/19 15:23	10/17/19 19:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:23	10/17/19 19:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:23	10/17/19 19:28	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:28	1
<b>Cobalt</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:28	1
<b>Copper</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:28	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:23	10/17/19 19:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:23	10/19/19 05:56	1
<b>Manganese</b>	<b>1.4</b>		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:28	1
<b>Nickel</b>	<b>0.053</b>		0.025	0.010	mg/L		10/16/19 15:23	10/19/19 05:56	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:23	10/17/19 19:28	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:28	1
Zinc	<0.50		0.50	0.020	mg/L		10/16/19 15:23	10/17/19 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		10/16/19 10:54	10/17/19 13:16	1
Barium	<0.50		0.50	0.050	mg/L		10/16/19 10:54	10/17/19 13:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:54	10/17/19 13:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:54	10/17/19 13:16	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:16	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:16	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:16	1
<b>Iron</b>	<b>1.3</b>		0.40	0.20	mg/L		10/16/19 10:54	10/17/19 13:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:54	10/17/19 13:16	1
<b>Manganese</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:16	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:16	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:54	10/17/19 13:16	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-68(4-8)-100919**

**Lab Sample ID: 500-171473-18**

Date Collected: 10/09/19 03:15

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 84.0

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:16	1
Zinc	<0.50		0.50	0.020	mg/L		10/16/19 10:54	10/17/19 13:16	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.65	J B	1.1	0.21	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Arsenic	8.6		0.55	0.19	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Barium	34		0.55	0.062	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Beryllium	0.71		0.22	0.051	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Cadmium	0.15		0.11	0.020	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Calcium	51000	B	110	19	mg/Kg	☼	10/17/19 10:07	10/20/19 17:31	10
Chromium	15		0.55	0.27	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Cobalt	15		0.27	0.072	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Copper	33		0.55	0.15	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Iron	20000	B	11	5.7	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Lead	15		0.27	0.13	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Magnesium	23000	B	5.5	2.7	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Manganese	360		0.55	0.079	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Nickel	37		0.55	0.16	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Potassium	3700		27	9.7	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Selenium	1.1	B	0.55	0.32	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Silver	2.4		0.27	0.070	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Sodium	470		55	8.1	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Thallium	1.0		0.55	0.27	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Vanadium	20		0.27	0.064	mg/Kg	☼	10/17/19 10:07	10/18/19 23:08	1
Zinc	50		1.1	0.48	mg/Kg	☼	10/17/19 10:07	10/20/19 17:27	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 11:09	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 10:57	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018		0.018	0.0060	mg/Kg	☼	10/15/19 14:40	10/16/19 10:06	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/11/19 16:03	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-69(4-8)-100919**

**Lab Sample ID: 500-171473-19**

Date Collected: 10/09/19 03:25

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.7

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00058	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Acetone	<0.016		0.016	0.0071	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Carbon disulfide	<0.0041		0.0041	0.00085	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Carbon tetrachloride	<0.0016		0.0016	0.00048	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Chlorobenzene	<0.0016		0.0016	0.00061	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Chloroethane	<0.0041 *		0.0041	0.0012	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Chloroform	<0.0016		0.0016	0.00057	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00046	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Dibromochloromethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Styrene	<0.0016		0.0016	0.00050	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Tetrachloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00073	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00058	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Vinyl chloride	<0.0016		0.0016	0.00073	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1
Xylenes, Total	<0.0033		0.0033	0.00052	mg/Kg	☼	10/09/19 17:33	10/18/19 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		70 - 134	10/09/19 17:33	10/18/19 15:49	1
4-Bromofluorobenzene (Surr)	114		75 - 131	10/09/19 17:33	10/18/19 15:49	1
Dibromofluoromethane	90		75 - 126	10/09/19 17:33	10/18/19 15:49	1
Toluene-d8 (Surr)	100		75 - 124	10/09/19 17:33	10/18/19 15:49	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-69(4-8)-100919**

**Lab Sample ID: 500-171473-19**

Date Collected: 10/09/19 03:25

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.7

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
<b>Acenaphthene</b>	<b>1.1</b>		0.040	0.0073	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
<b>Anthracene</b>	<b>0.36</b>		0.040	0.0068	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
<b>Benzo[a]anthracene</b>	<b>0.22</b>		0.040	0.0055	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
<b>Benzo[a]pyrene</b>	<b>0.092</b>		0.040	0.0079	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
<b>Benzo[b]fluoranthene</b>	<b>0.15</b>		0.040	0.0088	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
<b>Benzo[g,h,i]perylene</b>	<b>0.023 J</b>		0.040	0.013	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
<b>Benzo[k]fluoranthene</b>	<b>0.074</b>		0.040	0.012	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
<b>Carbazole</b>	<b>0.13 J</b>		0.20	0.10	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
<b>Chrysene</b>	<b>0.20</b>		0.040	0.011	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
<b>Dibenzofuran</b>	<b>0.93</b>		0.20	0.048	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
<b>Fluoranthene</b>	<b>1.3</b>		0.040	0.0075	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
<b>Fluorene</b>	<b>0.99</b>		0.040	0.0057	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-69(4-8)-100919**

**Lab Sample ID: 500-171473-19**

Date Collected: 10/09/19 03:25

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.7

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.015</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
<b>Naphthalene</b>	<b>0.094</b>		0.040	0.0062	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
<b>Phenanthrene</b>	<b>2.5</b>		0.040	0.0057	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
<b>Pyrene</b>	<b>1.0</b>		0.040	0.0081	mg/Kg	☼	10/17/19 08:02	10/18/19 02:30	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	61		31 - 143				10/17/19 08:02	10/18/19 02:30	1
2-Fluorobiphenyl	77		43 - 145				10/17/19 08:02	10/18/19 02:30	1
2-Fluorophenol	78		31 - 166				10/17/19 08:02	10/18/19 02:30	1
Nitrobenzene-d5	60		37 - 147				10/17/19 08:02	10/18/19 02:30	1
Phenol-d5	73		30 - 153				10/17/19 08:02	10/18/19 02:30	1
Terphenyl-d14	105		42 - 157				10/17/19 08:02	10/18/19 02:30	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 15:23	10/17/19 19:32	1
<b>Barium</b>	<b>0.50</b>		0.50	0.050	mg/L		10/16/19 15:23	10/17/19 19:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:23	10/17/19 19:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:23	10/17/19 19:32	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:32	1
<b>Cobalt</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:32	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:32	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:23	10/17/19 19:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 15:23	10/19/19 06:00	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:32	1
<b>Nickel</b>	<b>0.039</b>		0.025	0.010	mg/L		10/16/19 15:23	10/19/19 06:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:23	10/17/19 19:32	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:32	1
Zinc	<0.50		0.50	0.020	mg/L		10/16/19 15:23	10/17/19 19:32	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		10/16/19 10:54	10/17/19 13:20	1
Barium	<0.50		0.50	0.050	mg/L		10/16/19 10:54	10/17/19 13:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:54	10/17/19 13:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:54	10/17/19 13:20	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:20	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:20	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:20	1
<b>Iron</b>	<b>1.7</b>		0.40	0.20	mg/L		10/16/19 10:54	10/17/19 13:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:54	10/17/19 13:20	1
<b>Manganese</b>	<b>0.022</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:20	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:20	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:54	10/17/19 13:20	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-69(4-8)-100919**

**Lab Sample ID: 500-171473-19**

Date Collected: 10/09/19 03:25

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 81.7

**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		10/16/19 10:54	10/17/19 13:20	1
Zinc	0.066	J	0.50	0.020	mg/L		10/16/19 10:54	10/17/19 13:20	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.61	J B	1.2	0.23	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Arsenic	8.7		0.59	0.20	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Barium	38		0.59	0.068	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Beryllium	0.79		0.24	0.056	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Cadmium	0.29		0.12	0.021	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Calcium	44000	B	120	20	mg/Kg	☼	10/17/19 10:07	10/20/19 17:35	10
Chromium	16		0.59	0.29	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Cobalt	15		0.30	0.078	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Copper	39		0.59	0.17	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Iron	23000	B	12	6.2	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Lead	16		0.30	0.14	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Magnesium	22000	B	5.9	2.9	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Manganese	390		0.59	0.086	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Nickel	40		0.59	0.17	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Potassium	4100		30	11	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Selenium	1.0	B	0.59	0.35	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Silver	2.6		0.30	0.077	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Sodium	630		59	8.8	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Thallium	1.0		0.59	0.30	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Vanadium	22		0.30	0.070	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1
Zinc	79		1.2	0.52	mg/Kg	☼	10/17/19 10:07	10/18/19 23:21	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 11:11	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 10:58	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018		0.018	0.0061	mg/Kg	☼	10/15/19 14:40	10/16/19 10:08	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/11/19 16:12	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-70(2-4)-100919**

**Lab Sample ID: 500-171473-20**

Date Collected: 10/09/19 03:35

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 85.6

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Acetone	<0.016		0.016	0.0069	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Chloroethane	<0.0040 *		0.0040	0.0012	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	10/09/19 17:33	10/18/19 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	10/09/19 17:33	10/18/19 16:15	1
4-Bromofluorobenzene (Surr)	128		75 - 131	10/09/19 17:33	10/18/19 16:15	1
Dibromofluoromethane	91		75 - 126	10/09/19 17:33	10/18/19 16:15	1
Toluene-d8 (Surr)	103		75 - 124	10/09/19 17:33	10/18/19 16:15	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-70(2-4)-100919**

**Lab Sample ID: 500-171473-20**

Date Collected: 10/09/19 03:35

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 85.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>2-Methylnaphthalene</b>	<b>0.12</b>		0.078	0.0071	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Acenaphthene</b>	<b>0.22</b>		0.038	0.0069	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Acenaphthylene</b>	<b>0.033 J</b>		0.038	0.0051	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Anthracene</b>	<b>0.55</b>		0.038	0.0064	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Benzo[a]anthracene</b>	<b>0.89</b>		0.038	0.0052	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Benzo[a]pyrene</b>	<b>0.80</b>		0.038	0.0075	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Benzo[b]fluoranthene</b>	<b>1.2</b>		0.038	0.0083	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Benzo[g,h,i]perylene</b>	<b>0.21</b>		0.038	0.012	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Benzo[k]fluoranthene</b>	<b>0.45</b>		0.038	0.011	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Carbazole</b>	<b>0.19</b>		0.19	0.096	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Chrysene</b>	<b>0.86</b>		0.038	0.011	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Dibenz(a,h)anthracene</b>	<b>0.071</b>		0.038	0.0075	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Dibenzofuran</b>	<b>0.23</b>		0.19	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Fluoranthene</b>	<b>2.1</b>		0.038	0.0071	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Fluorene</b>	<b>0.38</b>		0.038	0.0054	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-70(2-4)-100919**

**Lab Sample ID: 500-171473-20**

Date Collected: 10/09/19 03:35

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 85.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.23</b>		0.038	0.010	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Naphthalene</b>	<b>0.16</b>		0.038	0.0059	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Phenanthrene</b>	<b>2.0</b>		0.038	0.0054	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
<b>Pyrene</b>	<b>2.1</b>		0.038	0.0077	mg/Kg	☼	10/17/19 08:02	10/18/19 02:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	95		31 - 143				10/17/19 08:02	10/18/19 02:54	1
2-Fluorobiphenyl	78		43 - 145				10/17/19 08:02	10/18/19 02:54	1
2-Fluorophenol	75		31 - 166				10/17/19 08:02	10/18/19 02:54	1
Nitrobenzene-d5	75		37 - 147				10/17/19 08:02	10/18/19 02:54	1
Phenol-d5	72		30 - 153				10/17/19 08:02	10/18/19 02:54	1
Terphenyl-d14	104		42 - 157				10/17/19 08:02	10/18/19 02:54	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/16/19 15:23	10/17/19 19:36	1
<b>Barium</b>	<b>0.65</b>		0.50	0.050	mg/L		10/16/19 15:23	10/17/19 19:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 15:23	10/17/19 19:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 15:23	10/17/19 19:36	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:36	1
<b>Cobalt</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:36	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:36	1
Iron	<0.40		0.40	0.20	mg/L		10/16/19 15:23	10/17/19 19:36	1
<b>Lead</b>	<b>0.035</b>		0.0075	0.0075	mg/L		10/16/19 15:23	10/19/19 06:04	1
<b>Manganese</b>	<b>1.1</b>		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:36	1
<b>Nickel</b>	<b>0.038</b>		0.025	0.010	mg/L		10/16/19 15:23	10/19/19 06:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 15:23	10/17/19 19:36	1
Silver	<0.025		0.025	0.010	mg/L		10/16/19 15:23	10/17/19 19:36	1
<b>Zinc</b>	<b>0.033</b>	<b>J</b>	0.50	0.020	mg/L		10/16/19 15:23	10/17/19 19:36	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		10/16/19 10:54	10/17/19 13:25	1
Barium	<0.50		0.50	0.050	mg/L		10/16/19 10:54	10/17/19 13:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/16/19 10:54	10/17/19 13:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/16/19 10:54	10/17/19 13:25	1
Chromium	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:25	1
Cobalt	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:25	1
Copper	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:25	1
<b>Iron</b>	<b>1.7</b>	<b>F1</b>	0.40	0.20	mg/L		10/16/19 10:54	10/17/19 13:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/16/19 10:54	10/17/19 13:25	1
<b>Manganese</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:25	1
Nickel	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:25	1
Selenium	<0.050		0.050	0.020	mg/L		10/16/19 10:54	10/17/19 13:25	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

**Client Sample ID: ROW-70(2-4)-100919**

**Lab Sample ID: 500-171473-20**

Date Collected: 10/09/19 03:35

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 85.6

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/16/19 10:54	10/17/19 13:25	1
Zinc	0.031	J	0.50	0.020	mg/L		10/16/19 10:54	10/17/19 13:25	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.61	J F1 B	1.1	0.21	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Arsenic	7.0		0.54	0.19	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Barium	43		0.54	0.062	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Beryllium	0.77		0.22	0.051	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Cadmium	0.13		0.11	0.020	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Calcium	52000	B	110	18	mg/Kg	☼	10/17/19 10:07	10/20/19 17:39	10
Chromium	17		0.54	0.27	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Cobalt	14		0.27	0.071	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Copper	29	F1	0.54	0.15	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Iron	19000	B	11	5.6	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Lead	34	F2	0.27	0.13	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Magnesium	21000	B	5.4	2.7	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Manganese	310		0.54	0.079	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Nickel	35		0.54	0.16	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Potassium	3900		27	9.6	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Selenium	1.2	F1 B	0.54	0.32	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Silver	2.6		0.27	0.070	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Sodium	1300		54	8.0	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Thallium	1.0	F1	0.54	0.27	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Vanadium	22		0.27	0.064	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1
Zinc	55	F2 F1	1.1	0.48	mg/Kg	☼	10/17/19 10:07	10/18/19 23:25	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/16/19 14:15	10/17/19 11:12	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 11:00	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039		0.019	0.0063	mg/Kg	☼	10/15/19 14:40	10/16/19 10:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			10/11/19 16:16	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171473-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	ISTD response or retention time outside acceptable 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
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
^	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 - Circle Interchange-WO 003

Job ID: 500-171473-1

## 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	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

# TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604  
Phone: 708.534.5200 Fax: 708.534.



500-171473 COC

Report To (optional)  
Contact: Andrick Slessees  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: Same  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171473

Chain of Custody Number: \_\_\_\_\_

Page 5 of 5

Temperature of Coolbox 37.30, 24.20, 3.0

Client		Client Project #		Preservative		Parameter					Preservative Key
<u>Wester</u>		<u>07056-016-003</u>									
Project Name		Project Location/State		Lab Project #		Sampler		Lab PM		Comments	
<u>EDOT 90/94</u>		<u>Chicago, IL</u>				<u>C. Rowe Y.M. Polito</u>					
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total metals	TCUP/SPP metals	pH
			Date	Time							
1		<u>ROW-27(4-10)-100919</u>	<u>10/8/19</u>	<u>2340</u>	<u>6</u>	<u>5</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
2		<u>ROW-27(10-15)-100819</u>		<u>2350</u>							
3		<u>ROW-27(15-20)-100819</u>		<u>2355</u>							
4		<u>ROW-27(25-30)-100819</u>		<u>2355</u>							
5		<u>ROW-27(20-28)-100819</u>	<u>10/9/19</u>	<u>0010</u>							
6		<u>ROW-28(8-10)-100919</u>		<u>0030</u>							
7		<u>ROW-28(10-15)-100819</u>		<u>0040</u>							
8		<u>ROW-29(8-10)-100919</u>		<u>0050</u>							
9		<u>ROW-29(10-15)-100919</u>		<u>0100</u>							
10		<u>ROW-47(5-7)-100919</u>		<u>0285</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>WS</u>	Date <u>10/9/19</u>	Time <u>1420</u>	Received By <u>[Signature]</u> Company: <u>JA</u>	Date <u>10/9/19</u>	Time <u>1920</u>
Relinquished By <u>[Signature]</u> Company: <u>JA</u>	Date <u>10/9/19</u>	Time <u>1725</u>	Received By <u>[Signature]</u> Company: <u>TR</u>	Date <u>10/9/19</u>	Time <u>1825</u>
Relinquished By Company:	Date	Time	Received By Company:	Date	Time

Lab Courier: [Signature]

Shipped: \_\_\_\_\_

Hand Delivered: \_\_\_\_\_

Matrix Key  
 WW - Wastewater SE - Sediment  
 W - Water SO - Soil  
 S - Soil L - Leachate  
 SL - Sludge WI - Wipe  
 MS - Miscellaneous DW - Drinking Water  
 OL - Oil O - Other  
 A - Air

Client Comments

Lab Comments:



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andris Skessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: SAME  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171473

Chain of Custody Number: \_\_\_\_\_

Page 4 of 5

Temperature / C of cooler: 37.30, 24.20, 30

Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	NOCs	SVOCs	Pesticides	metals	TECP/SPCP	metals	P+I	Comments	Preservative Key
			Date	Time											
11		Row-48(5-7)-100818	10/9/19	0230	6	S	X	X	X	X	X	X	X		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
12		Row-49(4-8)-100818		0245											
13		Row-50(4-8)-100819		0300											
14		Row-67(2-4)-100819		0302											
15		Row-67(4-8)-100818		0305											
16		Row-67(4-8)-100818		0305											
17		Row-68(2-4)-100819		0310											
18		Row-68(4-8)-100819		0315											
19		Row-69(4-8)-100819		0325											
20		Row-70(2-4)-100819		0335											

Turnaround Time Required (Business Days)  
 1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other  
 Requested Due Date \_\_\_\_\_

Sample Disposal  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>WS</u> Date: <u>10/8/19</u> Time: <u>1420</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/9/19</u> Time: <u>1420</u>	Lab Courier: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u> Company: <u>A</u> Date: <u>10/9/19</u> Time: <u>1525</u>	Received By: <u>[Signature]</u> Company: <u>TA-CH</u> Date: <u>10/9/19</u> Time: <u>1525</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

Matrix Key  
 WW - Wastewater SE - Sediment  
 W - Water SO - Soil  
 S - Soil L - Leachate  
 SL - Sludge WI - Wipe  
 MS - Miscellaneous DW - Drinking Water  
 OL - Oil O - Other  
 A - Air

Client Comments

Lab Comments:

## ANALYTICAL REPORT

Eurofins TestAmerica, Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

Laboratory Job ID: 500-171475-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

Weston Solutions, Inc.  
300 Plaza Circle, Suite 202  
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers



Authorized for release by:  
10/18/2019 3:57:35 PM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171475-1

**Client Sample ID: ROW-70(4-8)-100919**

**Lab Sample ID: 500-171475-1**

Date Collected: 10/09/19 03:40

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 80.4

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Acetone	<0.017		0.017	0.0074	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Chloroethane	<0.0042 *		0.0042	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/09/19 17:33	10/17/19 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/09/19 17:33	10/17/19 13:45	1
4-Bromofluorobenzene (Surr)	96		75 - 131	10/09/19 17:33	10/17/19 13:45	1
Dibromofluoromethane	104		75 - 126	10/09/19 17:33	10/17/19 13:45	1
Toluene-d8 (Surr)	95		75 - 124	10/09/19 17:33	10/17/19 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	<0.20		0.20	0.043	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171475-1

**Client Sample ID: ROW-70(4-8)-100919**

**Lab Sample ID: 500-171475-1**

Date Collected: 10/09/19 03:40

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 80.4

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
<b>2-Methylnaphthalene</b>	<b>0.044</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
<b>Benzo[g,h,i]perylene</b>	<b>0.016</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
<b>Chrysene</b>	<b>0.022</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
<b>Fluorene</b>	<b>0.0084</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171475-1

**Client Sample ID: ROW-70(4-8)-100919**

**Lab Sample ID: 500-171475-1**

Date Collected: 10/09/19 03:40

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 80.4

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
<b>Naphthalene</b>	<b>0.020</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
<b>Phenanthrene</b>	<b>0.088</b>		0.040	0.0056	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	10/15/19 15:59	10/16/19 16:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	41		31 - 143				10/15/19 15:59	10/16/19 16:47	1
2-Fluorobiphenyl	83		43 - 145				10/15/19 15:59	10/16/19 16:47	1
2-Fluorophenol	89		31 - 166				10/15/19 15:59	10/16/19 16:47	1
Nitrobenzene-d5	69		37 - 147				10/15/19 15:59	10/16/19 16:47	1
Phenol-d5	84		30 - 153				10/15/19 15:59	10/16/19 16:47	1
Terphenyl-d14	91		42 - 157				10/15/19 15:59	10/16/19 16:47	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		10/15/19 09:08	10/16/19 17:58	1
<b>Barium</b>	<b>0.63</b>		0.50	0.050	mg/L		10/15/19 09:08	10/16/19 17:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/15/19 09:08	10/16/19 17:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/15/19 09:08	10/16/19 17:58	1
Chromium	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:58	1
Cobalt	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:58	1
Copper	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:58	1
Iron	<0.40		0.40	0.20	mg/L		10/15/19 09:08	10/16/19 17:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/15/19 09:08	10/16/19 17:58	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:58	1
<b>Nickel</b>	<b>0.031</b>		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/15/19 09:08	10/16/19 17:58	1
Silver	<0.025		0.025	0.010	mg/L		10/15/19 09:08	10/16/19 17:58	1
<b>Zinc</b>	<b>0.062</b>	<b>J B</b>	0.50	0.020	mg/L		10/15/19 09:08	10/16/19 17:58	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/14/19 08:28	10/15/19 17:28	1
Barium	<0.50		0.50	0.050	mg/L		10/14/19 08:28	10/15/19 17:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/14/19 08:28	10/15/19 17:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/14/19 08:28	10/15/19 17:28	1
Chromium	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:28	1
Cobalt	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:28	1
Copper	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:28	1
<b>Iron</b>	<b>0.39</b>	<b>J</b>	0.40	0.20	mg/L		10/14/19 08:28	10/15/19 17:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/14/19 08:28	10/15/19 17:28	1
<b>Manganese</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:28	1
Nickel	<0.025		0.025	0.010	mg/L		10/14/19 08:28	10/15/19 17:28	1
Selenium	<0.050		0.050	0.020	mg/L		10/14/19 08:28	10/15/19 17:28	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171475-1

**Client Sample ID: ROW-70(4-8)-100919**

**Lab Sample ID: 500-171475-1**

Date Collected: 10/09/19 03:40

Matrix: Solid

Date Received: 10/09/19 15:25

Percent Solids: 80.4

**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		10/14/19 08:28	10/15/19 17:28	1
Zinc	<0.50		0.50	0.020	mg/L		10/14/19 08:28	10/15/19 17:28	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.75	J	1.2	0.24	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Arsenic	7.1		0.61	0.21	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Barium	47		0.61	0.070	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Beryllium	0.62		0.24	0.057	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Cadmium	0.21	B	0.12	0.022	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Calcium	57000	B	120	21	mg/Kg	☼	10/16/19 17:09	10/18/19 12:25	10
Chromium	16		0.61	0.30	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Cobalt	13		0.31	0.080	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Copper	28		0.61	0.17	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Iron	20000		12	6.4	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Lead	12		0.31	0.14	mg/Kg	☼	10/16/19 17:09	10/18/19 10:25	1
Magnesium	26000		6.1	3.0	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Manganese	360		0.61	0.089	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Nickel	33		0.61	0.18	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Potassium	3400		31	11	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Selenium	<0.61	^	0.61	0.36	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Silver	2.4		0.31	0.079	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Sodium	760		61	9.0	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Thallium	1.4		0.61	0.30	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Vanadium	19		0.31	0.072	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1
Zinc	50	B	1.2	0.54	mg/Kg	☼	10/16/19 17:09	10/18/19 00:31	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/15/19 11:05	10/16/19 08:09	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/14/19 11:15	10/15/19 09:56	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.020	0.0068	mg/Kg	☼	10/11/19 15:00	10/14/19 11:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			10/10/19 13:03	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171475-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
^	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.
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 - Circle Interchange-WO 003

Job ID: 500-171475-1

## 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	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids





# TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 61  
Phone: 708.534.5200 Fax: 708.534.5200



500-171475 COC

Report To (optional)  
Contact: Andrs Skerger  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: same  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171475

Chain of Custody Number: \_\_\_\_\_

Page 5 of 5

Temperature °C of Cooler: 3, 3, 0, 2, 4, 2, 8, 3, 0

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
<u>Weston</u>		<u>02056-016.003</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 #		# of Containers	Matrix	NOCs	SVOCs	Total Metals	Trace Metals	pH	Comments	
<u>PIDOT 90/94</u>												
Project Location/State		Lab Project #		Date	Time	X	X	X	X	5	Comments	
<u>Chicago, IL</u>												
Sampler		Lab PM										
<u>C. Perre + M. Dohio</u>												
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	NOCs	SVOCs	Total Metals	Trace Metals	pH	Comments
			Date	Time								
<u>1</u>		<u>RAW-70(4-8)-100919</u>	<u>10/9/19</u>	<u>0540</u>	<u>6</u>	<u>5</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>5</u>	

Turnaround Time Required (Business Days) \_\_\_\_\_  
 1 Day \_\_\_\_\_ 2 Days \_\_\_\_\_ 5 Days \_\_\_\_\_ 10 Days \_\_\_\_\_ 15 Days \_\_\_\_\_ Other \_\_\_\_\_  
 Requested Due Date \_\_\_\_\_

Sample Disposal  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>CS</u> Date: <u>10/9/19</u> Time: <u>1420</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/9/19</u> Time: <u>1920</u>	Lab Courier: <u>TA</u>
Relinquished By: <u>P. Neal</u> Company: <u>TA</u> Date: <u>10/9/19</u> Time: <u>1525</u>	Received By: <u>[Signature]</u> Company: <u>TA-CRT</u> Date: <u>10/9/19</u> Time: <u>1525</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

## ANALYTICAL REPORT

Eurofins TestAmerica, Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

Laboratory Job ID: 500-171579-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

Weston Solutions, Inc.  
300 Plaza Circle, Suite 202  
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers



Authorized for release by:  
10/21/2019 4:11:25 PM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-71 (4-8)-101019**

**Lab Sample ID: 500-171579-1**

**Date Collected: 10/10/19 01:10**

**Matrix: Solid**

**Date Received: 10/10/19 15:27**

**Percent Solids: 81.0**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
1,1,2,2-Tetrachloroethane	<0.0017	*	0.0017	0.00054	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
<b>Acetone</b>	<b>0.0079</b>	<b>J</b>	0.017	0.0074	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Chloroethane	<0.0042	*	0.0042	0.0013	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/10/19 01:10	10/18/19 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		70 - 134	10/10/19 01:10	10/18/19 18:27	1
4-Bromofluorobenzene (Surr)	126	*	75 - 131	10/10/19 01:10	10/18/19 18:27	1
Dibromofluoromethane	104		75 - 126	10/10/19 01:10	10/18/19 18:27	1
Toluene-d8 (Surr)	110		75 - 124	10/10/19 01:10	10/18/19 18:27	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-71 (4-8)-101019**

**Lab Sample ID: 500-171579-1**

Date Collected: 10/10/19 01:10

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.0

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.093	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
2,4-Dinitrophenol	<0.83	F1	0.83	0.72	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
2,6-Dinitrotoluene	<0.21		0.21	0.080	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
<b>2-Methylnaphthalene</b>	<b>0.049</b>	<b>J</b>	0.083	0.0075	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
4,6-Dinitro-2-methylphenol	<0.83	F1	0.83	0.33	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
4-Chloro-3-methylphenol	<0.41	F1	0.41	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
<b>Anthracene</b>	<b>0.0086</b>	<b>J</b>	0.041	0.0068	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
<b>Benzo[a]anthracene</b>	<b>0.0064</b>	<b>J</b>	0.041	0.0055	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
<b>Benzo[a]pyrene</b>	<b>0.052</b>		0.041	0.0079	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Benzo[b]fluoranthene	<0.041		0.041	0.0088	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
<b>Benzo[g,h,i]perylene</b>	<b>0.016</b>	<b>J F1</b>	0.041	0.013	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Bis(2-chloroethoxy)methane	<0.21	F1	0.21	0.042	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
<b>Chrysene</b>	<b>0.031</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Dibenz(a,h)anthracene	<0.041	F1	0.041	0.0079	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Dimethyl phthalate	<0.21		0.21	0.053	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
<b>Fluoranthene</b>	<b>0.013</b>	<b>J</b>	0.041	0.0076	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Hexachlorocyclopentadiene	<0.83	F1	0.83	0.24	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Hexachloroethane	<0.21	F1	0.21	0.062	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-71 (4-8)-101019**

**Lab Sample ID: 500-171579-1**

Date Collected: 10/10/19 01:10

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.0

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041	F1	0.041	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
<b>Naphthalene</b>	<b>0.013</b>	<b>J</b>	0.041	0.0063	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Nitrobenzene	<0.041	F1	0.041	0.010	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
N-Nitrosodi-n-propylamine	<0.083	F1	0.083	0.050	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
<b>N-Nitrosodiphenylamine</b>	<b>0.14</b>	<b>J*</b>	0.21	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Pentachlorophenol	<0.83	F1	0.83	0.66	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
<b>Phenanthrene</b>	<b>0.15</b>		0.041	0.0057	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1
<b>Pyrene</b>	<b>0.029</b>	<b>J</b>	0.041	0.0081	mg/Kg	☼	10/17/19 15:56	10/18/19 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	55		31 - 143	10/17/19 15:56	10/18/19 16:43	1
2-Fluorobiphenyl	88		43 - 145	10/17/19 15:56	10/18/19 16:43	1
2-Fluorophenol	100		31 - 166	10/17/19 15:56	10/18/19 16:43	1
Nitrobenzene-d5	54		37 - 147	10/17/19 15:56	10/18/19 16:43	1
Phenol-d5	85		30 - 153	10/17/19 15:56	10/18/19 16:43	1
Terphenyl-d14	114		42 - 157	10/17/19 15:56	10/18/19 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		10/17/19 09:01	10/18/19 15:33	1
<b>Barium</b>	<b>0.20</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 09:01	10/18/19 15:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:01	10/18/19 15:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:01	10/18/19 15:33	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:33	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:33	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:33	1
<b>Iron</b>	<b>0.21</b>	<b>J</b>	0.40	0.20	mg/L		10/17/19 09:01	10/18/19 15:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:01	10/18/19 15:33	1
<b>Manganese</b>	<b>0.37</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:33	1
<b>Nickel</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:33	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:01	10/18/19 15:33	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:33	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 09:01	10/18/19 15:33	1

## Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 09:04	10/18/19 20:54	1
Barium	<0.50		0.50	0.050	mg/L		10/17/19 09:04	10/18/19 20:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:04	10/18/19 20:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:04	10/18/19 20:54	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 20:54	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 20:54	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 20:54	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 09:04	10/18/19 20:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:04	10/18/19 20:54	1
<b>Manganese</b>	<b>0.022</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:04	10/18/19 20:54	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 20:54	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:04	10/18/19 20:54	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-71 (4-8)-101019**

**Lab Sample ID: 500-171579-1**

Date Collected: 10/10/19 01:10

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.0

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 20:54	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 09:04	10/18/19 20:54	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.51	J F1 B	1.2	0.23	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Arsenic	7.1		0.58	0.20	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Barium	39		0.58	0.066	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Beryllium	0.61		0.23	0.054	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Cadmium	0.097	J B	0.12	0.021	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Calcium	55000	B	120	20	mg/Kg	☼	10/17/19 17:35	10/20/19 23:40	10
Chromium	15		0.58	0.29	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Cobalt	14		0.29	0.076	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Copper	28		0.58	0.16	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Iron	20000		12	6.0	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Lead	13		0.29	0.13	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Magnesium	24000		5.8	2.9	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Manganese	360		0.58	0.084	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Nickel	35		0.58	0.17	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Potassium	2700		29	10	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Selenium	0.96	F1	0.58	0.34	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Silver	2.4		0.29	0.075	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Sodium	790		58	8.6	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Thallium	0.76	F1	0.58	0.29	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Vanadium	17		0.29	0.068	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1
Zinc	51		1.2	0.51	mg/Kg	☼	10/17/19 17:35	10/19/19 02:10	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 09:01	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:36	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	J	0.020	0.0067	mg/Kg	☼	10/15/19 14:40	10/16/19 08:16	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/14/19 14:57	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-72 (2-4)-101019**

**Lab Sample ID: 500-171579-2**

Date Collected: 10/10/19 00:55

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 86.0

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
1,1-Dichloroethane	<0.0015		0.0015	0.00053	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Acetone	<0.015		0.015	0.0067	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Carbon disulfide	<0.0038		0.0038	0.00080	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Chlorobenzene	<0.0015		0.0015	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Chloroethane	<0.0038 *		0.0038	0.0011	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	10/10/19 18:33	10/18/19 18:52	1
4-Bromofluorobenzene (Surr)	94		75 - 131	10/10/19 18:33	10/18/19 18:52	1
Dibromofluoromethane	104		75 - 126	10/10/19 18:33	10/18/19 18:52	1
Toluene-d8 (Surr)	96		75 - 124	10/10/19 18:33	10/18/19 18:52	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-72 (2-4)-101019**

**Lab Sample ID: 500-171579-2**

Date Collected: 10/10/19 00:55

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 86.0

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
<b>2-Methylnaphthalene</b>	<b>0.018</b>	<b>J</b>	0.077	0.0070	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
<b>Anthracene</b>	<b>0.010</b>	<b>J</b>	0.038	0.0064	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
<b>Benzo[a]anthracene</b>	<b>0.0079</b>	<b>J</b>	0.038	0.0051	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
<b>Benzo[a]pyrene</b>	<b>0.047</b>		0.038	0.0074	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
<b>Benzo[b]fluoranthene</b>	<b>0.013</b>	<b>J</b>	0.038	0.0082	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Carbazole	<0.19	*	0.19	0.095	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
<b>Chrysene</b>	<b>0.022</b>	<b>J</b>	0.038	0.010	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
<b>Di-n-butyl phthalate</b>	<b>0.059</b>	<b>J</b>	0.19	0.058	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
<b>Fluoranthene</b>	<b>0.020</b>	<b>J</b>	0.038	0.0071	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-72 (2-4)-101019**

**Lab Sample ID: 500-171579-2**

Date Collected: 10/10/19 00:55

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 86.0

**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	<0.038		0.038	0.0099	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
<b>Naphthalene</b>	<b>0.0070</b>	<b>J</b>	0.038	0.0059	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
N-Nitrosodiphenylamine	<0.19	*	0.19	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
<b>Phenanthrene</b>	<b>0.092</b>		0.038	0.0053	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
<b>Pyrene</b>	<b>0.015</b>	<b>J</b>	0.038	0.0076	mg/Kg	☼	10/17/19 15:56	10/18/19 12:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	56		31 - 143				10/17/19 15:56	10/18/19 12:39	1
2-Fluorobiphenyl	77		43 - 145				10/17/19 15:56	10/18/19 12:39	1
2-Fluorophenol	87		31 - 166				10/17/19 15:56	10/18/19 12:39	1
Nitrobenzene-d5	50		37 - 147				10/17/19 15:56	10/18/19 12:39	1
Phenol-d5	72		30 - 153				10/17/19 15:56	10/18/19 12:39	1
Terphenyl-d14	93		42 - 157				10/17/19 15:56	10/18/19 12:39	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 09:01	10/18/19 15:38	1
<b>Barium</b>	<b>0.23</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 09:01	10/18/19 15:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:01	10/18/19 15:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:01	10/18/19 15:38	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:38	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:38	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:38	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 09:01	10/18/19 15:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:01	10/18/19 15:38	1
<b>Manganese</b>	<b>0.39</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:38	1
<b>Nickel</b>	<b>0.025</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:38	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:01	10/18/19 15:38	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:38	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 09:01	10/18/19 15:38	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		10/17/19 09:04	10/18/19 20:58	1
<b>Barium</b>	<b>0.10</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 09:04	10/18/19 20:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:04	10/18/19 20:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:04	10/18/19 20:58	1
<b>Chromium</b>	<b>0.024</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:04	10/18/19 20:58	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 20:58	1
<b>Copper</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:04	10/18/19 20:58	1
<b>Iron</b>	<b>13</b>		0.40	0.20	mg/L		10/17/19 09:04	10/18/19 20:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:04	10/18/19 20:58	1
<b>Manganese</b>	<b>0.12</b>		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 20:58	1
<b>Nickel</b>	<b>0.020</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:04	10/18/19 20:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:04	10/18/19 20:58	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-72 (2-4)-101019**

**Lab Sample ID: 500-171579-2**

Date Collected: 10/10/19 00:55

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 86.0

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 20:58	1
<b>Zinc</b>	<b>0.045</b>	<b>J</b>	0.50	0.020	mg/L		10/17/19 09:04	10/18/19 20:58	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.50</b>	<b>J B</b>	1.1	0.21	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Arsenic</b>	<b>7.3</b>		0.54	0.19	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Barium</b>	<b>37</b>		0.54	0.062	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Beryllium</b>	<b>0.65</b>		0.22	0.051	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Cadmium</b>	<b>0.14</b>	<b>B</b>	0.11	0.019	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Calcium</b>	<b>54000</b>	<b>B</b>	110	18	mg/Kg	☼	10/17/19 17:35	10/21/19 00:13	10
<b>Chromium</b>	<b>14</b>		0.54	0.27	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Cobalt</b>	<b>15</b>		0.27	0.071	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Copper</b>	<b>32</b>		0.54	0.15	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Iron</b>	<b>19000</b>		11	5.6	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Lead</b>	<b>15</b>		0.27	0.12	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Magnesium</b>	<b>23000</b>		5.4	2.7	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Manganese</b>	<b>330</b>		0.54	0.078	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Nickel</b>	<b>38</b>		0.54	0.16	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Potassium</b>	<b>2700</b>		27	9.6	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Selenium</b>	<b>1.1</b>		0.54	0.32	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Silver</b>	<b>2.3</b>		0.27	0.070	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Sodium</b>	<b>1300</b>		54	8.0	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Thallium</b>	<b>0.97</b>		0.54	0.27	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Vanadium</b>	<b>16</b>		0.27	0.064	mg/Kg	☼	10/17/19 17:35	10/19/19 02:43	1
<b>Zinc</b>	<b>44</b>		1.1	0.47	mg/Kg	☼	10/17/19 17:35	10/21/19 00:09	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 09:03	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:38	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.021</b>		0.018	0.0059	mg/Kg	☼	10/15/19 14:40	10/16/19 08:18	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.6</b>		0.2	0.2	SU			10/14/19 15:02	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-72 (4-8)-101019**

**Lab Sample ID: 500-171579-3**

Date Collected: 10/10/19 01:00

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 79.9

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Chloroethane	<0.0043 *		0.0043	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1
Xylenes, Total	<0.0035		0.0035	0.00055	mg/Kg	☼	10/10/19 18:33	10/18/19 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/10/19 18:33	10/18/19 19:18	1
4-Bromofluorobenzene (Surr)	92		75 - 131	10/10/19 18:33	10/18/19 19:18	1
Dibromofluoromethane	101		75 - 126	10/10/19 18:33	10/18/19 19:18	1
Toluene-d8 (Surr)	95		75 - 124	10/10/19 18:33	10/18/19 19:18	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-72 (4-8)-101019**

**Lab Sample ID: 500-171579-3**

Date Collected: 10/10/19 01:00

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 79.9

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.093	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
2,4-Dimethylphenol	<0.41		0.41	0.15	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
2-Chlorophenol	<0.20		0.20	0.070	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
<b>2-Methylnaphthalene</b>	<b>0.040</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
2-Nitrophenol	<0.41		0.41	0.096	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Acenaphthene	<0.041		0.041	0.0073	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
<b>Anthracene</b>	<b>0.011</b>	<b>J</b>	0.041	0.0068	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Benzo[a]pyrene	<0.041		0.041	0.0079	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Benzo[b]fluoranthene	<0.041		0.041	0.0088	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
<b>Benzo[g,h,i]perylene</b>	<b>0.014</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.042	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Butyl benzyl phthalate	<0.20		0.20	0.078	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
<b>Chrysene</b>	<b>0.029</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Di-n-octyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Fluorene	<0.041		0.041	0.0057	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Hexachlorobenzene	<0.082		0.082	0.0095	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-72 (4-8)-101019**

**Lab Sample ID: 500-171579-3**

Date Collected: 10/10/19 01:00

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 79.9

## 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	<0.041		0.041	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
<b>Naphthalene</b>	<b>0.013</b>	<b>J</b>	0.041	0.0063	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
N-Nitrosodiphenylamine	<0.20	*	0.20	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
<b>Phenanthrene</b>	<b>0.14</b>		0.041	0.0057	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Phenol	<0.20		0.20	0.091	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1
Pyrene	<0.041		0.041	0.0081	mg/Kg	☼	10/17/19 15:56	10/18/19 13:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	35		31 - 143	10/17/19 15:56	10/18/19 13:06	1
2-Fluorobiphenyl	77		43 - 145	10/17/19 15:56	10/18/19 13:06	1
2-Fluorophenol	87		31 - 166	10/17/19 15:56	10/18/19 13:06	1
Nitrobenzene-d5	48		37 - 147	10/17/19 15:56	10/18/19 13:06	1
Phenol-d5	72		30 - 153	10/17/19 15:56	10/18/19 13:06	1
Terphenyl-d14	92		42 - 157	10/17/19 15:56	10/18/19 13:06	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 09:01	10/18/19 15:42	1
<b>Barium</b>	<b>0.19</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 09:01	10/18/19 15:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:01	10/18/19 15:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:01	10/18/19 15:42	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:42	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:42	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:42	1
<b>Iron</b>	<b>0.20</b>	<b>J</b>	0.40	0.20	mg/L		10/17/19 09:01	10/18/19 15:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:01	10/18/19 15:42	1
<b>Manganese</b>	<b>0.35</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:42	1
<b>Nickel</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:42	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:01	10/18/19 15:42	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:42	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 09:01	10/18/19 15:42	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		10/17/19 09:04	10/18/19 21:10	1
Barium	<0.50		0.50	0.050	mg/L		10/17/19 09:04	10/18/19 21:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:04	10/18/19 21:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:04	10/18/19 21:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:10	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:10	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:10	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 09:04	10/18/19 21:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:04	10/18/19 21:10	1
<b>Manganese</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:10	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:10	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:04	10/18/19 21:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-72 (4-8)-101019**

**Lab Sample ID: 500-171579-3**

Date Collected: 10/10/19 01:00

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 79.9

**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		10/17/19 09:04	10/18/19 21:10	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 09:04	10/18/19 21:10	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.47	J B	1.2	0.23	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Arsenic	8.1		0.60	0.20	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Barium	40		0.60	0.068	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Beryllium	0.65		0.24	0.056	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Cadmium	0.096	J B	0.12	0.021	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Calcium	53000	B	120	20	mg/Kg	☼	10/17/19 17:35	10/21/19 00:21	10
Chromium	15		0.60	0.29	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Cobalt	15		0.30	0.078	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Copper	31		0.60	0.17	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Iron	21000		12	6.2	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Lead	14		0.30	0.14	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Magnesium	23000		6.0	3.0	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Manganese	340		0.60	0.086	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Nickel	38		0.60	0.17	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Potassium	2700		30	11	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Selenium	1.3		0.60	0.35	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Silver	2.3		0.30	0.077	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Sodium	800		60	8.8	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Thallium	0.91		0.60	0.30	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Vanadium	17		0.30	0.070	mg/Kg	☼	10/17/19 17:35	10/19/19 02:47	1
Zinc	46		1.2	0.52	mg/Kg	☼	10/17/19 17:35	10/21/19 00:17	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 09:04	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:40	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.020	0.0066	mg/Kg	☼	10/15/19 14:40	10/16/19 08:20	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			10/14/19 15:08	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-73 (4-8)-101019**

**Lab Sample ID: 500-171579-4**

**Date Collected: 10/10/19 00:45**

**Matrix: Solid**

**Date Received: 10/10/19 15:27**

**Percent Solids: 81.8**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Acetone	<0.017		0.017	0.0072	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Chloroethane	<0.0042 *		0.0042	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0018	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Methylene Chloride	<0.0042		0.0042	0.0016	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	10/10/19 18:33	10/18/19 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/10/19 18:33	10/18/19 19:44	1
4-Bromofluorobenzene (Surr)	91		75 - 131	10/10/19 18:33	10/18/19 19:44	1
Dibromofluoromethane	101		75 - 126	10/10/19 18:33	10/18/19 19:44	1
Toluene-d8 (Surr)	97		75 - 124	10/10/19 18:33	10/18/19 19:44	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-73 (4-8)-101019**

**Lab Sample ID: 500-171579-4**

Date Collected: 10/10/19 00:45

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.8

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
2,4-Dinitrophenol	<0.81		0.81	0.70	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
<b>2-Methylnaphthalene</b>	<b>0.040</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
<b>Benzo[a]anthracene</b>	<b>0.013</b>	<b>J</b>	0.040	0.0054	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
<b>Benzo[a]pyrene</b>	<b>0.049</b>		0.040	0.0077	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
<b>Benzo[g,h,i]perylene</b>	<b>0.016</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
<b>Chrysene</b>	<b>0.029</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
<b>Fluoranthene</b>	<b>0.017</b>	<b>J</b>	0.040	0.0074	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
<b>Fluorene</b>	<b>0.013</b>	<b>J</b>	0.040	0.0056	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-73 (4-8)-101019**

**Lab Sample ID: 500-171579-4**

Date Collected: 10/10/19 00:45

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.8

**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	<0.040		0.040	0.010	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
<b>Naphthalene</b>	<b>0.011</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
<b>N-Nitrosodiphenylamine</b>	<b>0.15</b>	<b>J *</b>	0.20	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
<b>Phenanthrene</b>	<b>0.15</b>		0.040	0.0056	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
<b>Pyrene</b>	<b>0.026</b>	<b>J</b>	0.040	0.0079	mg/Kg	☼	10/17/19 15:56	10/18/19 13:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63		31 - 143				10/17/19 15:56	10/18/19 13:33	1
2-Fluorobiphenyl	88		43 - 145				10/17/19 15:56	10/18/19 13:33	1
2-Fluorophenol	100		31 - 166				10/17/19 15:56	10/18/19 13:33	1
Nitrobenzene-d5	54		37 - 147				10/17/19 15:56	10/18/19 13:33	1
Phenol-d5	86		30 - 153				10/17/19 15:56	10/18/19 13:33	1
Terphenyl-d14	108		42 - 157				10/17/19 15:56	10/18/19 13:33	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 09:01	10/18/19 15:46	1
<b>Barium</b>	<b>0.50</b>		0.50	0.050	mg/L		10/17/19 09:01	10/18/19 15:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:01	10/18/19 15:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:01	10/18/19 15:46	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:46	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:46	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:46	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 09:01	10/18/19 15:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:01	10/18/19 15:46	1
<b>Manganese</b>	<b>1.4</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:46	1
<b>Nickel</b>	<b>0.033</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:46	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:01	10/18/19 15:46	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 15:46	1
<b>Zinc</b>	<b>0.069</b>	<b>J B</b>	0.50	0.020	mg/L		10/17/19 09:01	10/18/19 15:46	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		10/17/19 09:04	10/18/19 21:15	1
Barium	<0.50		0.50	0.050	mg/L		10/17/19 09:04	10/18/19 21:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:04	10/18/19 21:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:04	10/18/19 21:15	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:15	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:15	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:15	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 09:04	10/18/19 21:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:04	10/18/19 21:15	1
<b>Manganese</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:15	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:15	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:04	10/18/19 21:15	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-73 (4-8)-101019**

**Lab Sample ID: 500-171579-4**

Date Collected: 10/10/19 00:45

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.8

**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		10/17/19 09:04	10/18/19 21:15	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 09:04	10/18/19 21:15	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J B	1.1	0.22	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Arsenic	7.9		0.57	0.19	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Barium	39		0.57	0.065	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Beryllium	0.67		0.23	0.053	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Cadmium	0.18	B	0.11	0.020	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Calcium	53000	B	110	19	mg/Kg	☼	10/17/19 17:35	10/21/19 00:30	10
Chromium	15		0.57	0.28	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Cobalt	15		0.28	0.074	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Copper	31		0.57	0.16	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Iron	20000		11	5.9	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Lead	14		0.28	0.13	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Magnesium	23000		5.7	2.8	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Manganese	340		0.57	0.082	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Nickel	37		0.57	0.16	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Potassium	2800		28	10	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Selenium	0.93		0.57	0.33	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Silver	2.4		0.28	0.073	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Sodium	770		57	8.4	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Thallium	0.79		0.57	0.28	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Vanadium	18		0.28	0.067	mg/Kg	☼	10/17/19 17:35	10/19/19 02:51	1
Zinc	55		1.1	0.50	mg/Kg	☼	10/17/19 17:35	10/21/19 00:25	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 09:06	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:41	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.020	0.0066	mg/Kg	☼	10/15/19 14:40	10/16/19 08:22	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/14/19 15:14	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-75 (4-8)-101019**

**Lab Sample ID: 500-171579-7**

Date Collected: 10/10/19 00:25

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 84.0

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Acetone	<0.017		0.017	0.0073	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Chloroethane	<0.0042 *		0.0042	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 17:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	10/10/19 18:33	10/18/19 17:08	1
4-Bromofluorobenzene (Surr)	127		75 - 131	10/10/19 18:33	10/18/19 17:08	1
Dibromofluoromethane	92		75 - 126	10/10/19 18:33	10/18/19 17:08	1
Toluene-d8 (Surr)	100		75 - 124	10/10/19 18:33	10/18/19 17:08	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-75 (4-8)-101019**

**Lab Sample ID: 500-171579-7**

Date Collected: 10/10/19 00:25

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 84.0

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
<b>2-Methylnaphthalene</b>	<b>0.064</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
<b>Acenaphthene</b>	<b>0.011</b>	<b>J</b>	0.039	0.0071	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
<b>Anthracene</b>	<b>0.019</b>	<b>J</b>	0.039	0.0066	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>0.074</b>	<b>J</b>	0.20	0.072	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Carbazole	<0.20	*	0.20	0.099	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
<b>Chrysene</b>	<b>0.043</b>		0.039	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
<b>Fluorene</b>	<b>0.014</b>	<b>J</b>	0.039	0.0056	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-75 (4-8)-101019**

**Lab Sample ID: 500-171579-7**

Date Collected: 10/10/19 00:25

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 84.0

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
<b>Naphthalene</b>	<b>0.0073</b>	<b>J</b>	0.039	0.0061	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
<b>N-Nitrosodiphenylamine</b>	<b>0.25</b>	<b>*</b>	0.20	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
<b>Phenanthrene</b>	<b>0.19</b>		0.039	0.0055	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	10/17/19 15:56	10/18/19 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	60		31 - 143	10/17/19 15:56	10/18/19 17:10	1
2-Fluorobiphenyl	80		43 - 145	10/17/19 15:56	10/18/19 17:10	1
2-Fluorophenol	89		31 - 166	10/17/19 15:56	10/18/19 17:10	1
Nitrobenzene-d5	46		37 - 147	10/17/19 15:56	10/18/19 17:10	1
Phenol-d5	76		30 - 153	10/17/19 15:56	10/18/19 17:10	1
Terphenyl-d14	111		42 - 157	10/17/19 15:56	10/18/19 17:10	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 09:01	10/18/19 16:11	1
<b>Barium</b>	<b>0.49</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 09:01	10/18/19 16:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:01	10/18/19 16:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:01	10/18/19 16:11	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:11	1
<b>Cobalt</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:11	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:11	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 09:01	10/18/19 16:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:01	10/18/19 16:11	1
<b>Manganese</b>	<b>1.2</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:11	1
<b>Nickel</b>	<b>0.042</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:11	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:01	10/18/19 16:11	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:11	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 09:01	10/18/19 16:11	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 09:04	10/18/19 21:27	1
Barium	<0.50		0.50	0.050	mg/L		10/17/19 09:04	10/18/19 21:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:04	10/18/19 21:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:04	10/18/19 21:27	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:27	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:27	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:27	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 09:04	10/18/19 21:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:04	10/18/19 21:27	1
Manganese	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:27	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:04	10/18/19 21:27	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-75 (4-8)-101019**

**Lab Sample ID: 500-171579-7**

Date Collected: 10/10/19 00:25

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 84.0

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:27	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 09:04	10/18/19 21:27	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.43	J B	1.1	0.22	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Arsenic	9.8		0.55	0.19	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Barium	32		0.55	0.063	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Beryllium	0.56		0.22	0.052	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Cadmium	0.31	B	0.11	0.020	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Calcium	50000	B	110	19	mg/Kg	☼	10/17/19 17:35	10/21/19 01:03	10
Chromium	13		0.55	0.27	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Cobalt	15		0.28	0.073	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Copper	40		0.55	0.16	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Iron	21000		11	5.8	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Lead	16		0.28	0.13	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Magnesium	21000		5.5	2.7	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Manganese	360		0.55	0.080	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Nickel	40		0.55	0.16	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Potassium	2300		28	9.8	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Selenium	1.1		0.55	0.33	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Silver	2.3		0.28	0.071	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Sodium	1700		55	8.2	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Thallium	1.0		0.55	0.28	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Vanadium	16		0.28	0.065	mg/Kg	☼	10/17/19 17:35	10/19/19 03:04	1
Zinc	86		1.1	0.49	mg/Kg	☼	10/17/19 17:35	10/21/19 00:58	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 09:11	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:50	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.019	0.0063	mg/Kg	☼	10/15/19 14:40	10/16/19 08:28	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/14/19 15:31	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (0-4)-101019**

**Lab Sample ID: 500-171579-8**

Date Collected: 10/10/19 01:35

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 86.7

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Chloroethane	<0.0043 *		0.0043	0.0013	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	10/10/19 18:33	10/19/19 10:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/10/19 18:33	10/19/19 10:42	1
4-Bromofluorobenzene (Surr)	92		75 - 131	10/10/19 18:33	10/19/19 10:42	1
Dibromofluoromethane	101		75 - 126	10/10/19 18:33	10/19/19 10:42	1
Toluene-d8 (Surr)	95		75 - 124	10/10/19 18:33	10/19/19 10:42	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (0-4)-101019**

**Lab Sample ID: 500-171579-8**

Date Collected: 10/10/19 01:35

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 86.7

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.086	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
<b>2-Methylnaphthalene</b>	<b>0.036</b>	<b>J</b>	0.076	0.0070	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
<b>Acenaphthene</b>	<b>0.014</b>	<b>J</b>	0.038	0.0068	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
<b>Benzo[a]anthracene</b>	<b>0.024</b>	<b>J</b>	0.038	0.0051	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
<b>Benzo[a]pyrene</b>	<b>0.055</b>		0.038	0.0073	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
<b>Benzo[b]fluoranthene</b>	<b>0.039</b>		0.038	0.0082	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
<b>Benzo[g,h,i]perylene</b>	<b>0.018</b>	<b>J</b>	0.038	0.012	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>0.073</b>	<b>J</b>	0.19	0.069	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Carbazole	<0.19	*	0.19	0.095	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
<b>Chrysene</b>	<b>0.036</b>	<b>J</b>	0.038	0.010	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
<b>Dibenz(a,h)anthracene</b>	<b>0.013</b>	<b>J</b>	0.038	0.0073	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
<b>Fluoranthene</b>	<b>0.051</b>		0.038	0.0070	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
<b>Fluorene</b>	<b>0.0086</b>	<b>J</b>	0.038	0.0053	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (0-4)-101019**

**Lab Sample ID: 500-171579-8**

Date Collected: 10/10/19 01:35

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 86.7

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.043</b>		0.038	0.0098	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
<b>Naphthalene</b>	<b>0.0094</b>	<b>J</b>	0.038	0.0058	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
<b>N-Nitrosodiphenylamine</b>	<b>0.11</b>	<b>J *</b>	0.19	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
<b>Phenanthrene</b>	<b>0.12</b>		0.038	0.0053	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
<b>Pyrene</b>	<b>0.040</b>		0.038	0.0075	mg/Kg	☼	10/17/19 15:56	10/18/19 12:12	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	56		31 - 143				10/17/19 15:56	10/18/19 12:12	1
2-Fluorobiphenyl	76		43 - 145				10/17/19 15:56	10/18/19 12:12	1
2-Fluorophenol	88		31 - 166				10/17/19 15:56	10/18/19 12:12	1
Nitrobenzene-d5	48		37 - 147				10/17/19 15:56	10/18/19 12:12	1
Phenol-d5	74		30 - 153				10/17/19 15:56	10/18/19 12:12	1
Terphenyl-d14	99		42 - 157				10/17/19 15:56	10/18/19 12:12	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 09:01	10/18/19 16:15	1
<b>Barium</b>	<b>0.41</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 09:01	10/18/19 16:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:01	10/18/19 16:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:01	10/18/19 16:15	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:15	1
<b>Cobalt</b>	<b>0.025</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:15	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:15	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 09:01	10/18/19 16:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:01	10/18/19 16:15	1
<b>Manganese</b>	<b>2.0</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:15	1
<b>Nickel</b>	<b>0.062</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:15	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:01	10/18/19 16:15	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:15	1
<b>Zinc</b>	<b>0.024</b>	<b>J B</b>	0.50	0.020	mg/L		10/17/19 09:01	10/18/19 16:15	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 09:04	10/18/19 21:31	1
Barium	<0.50		0.50	0.050	mg/L		10/17/19 09:04	10/18/19 21:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:04	10/18/19 21:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:04	10/18/19 21:31	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:31	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:31	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:31	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 09:04	10/18/19 21:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:04	10/18/19 21:31	1
<b>Manganese</b>	<b>0.037</b>		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:31	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:31	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:04	10/18/19 21:31	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (0-4)-101019**

**Lab Sample ID: 500-171579-8**

Date Collected: 10/10/19 01:35

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 86.7

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:31	1
Zinc	0.11	J	0.50	0.020	mg/L		10/17/19 09:04	10/18/19 21:31	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.53	J B	1.1	0.22	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Arsenic	7.7		0.57	0.19	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Barium	37		0.57	0.065	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Beryllium	0.66		0.23	0.053	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Cadmium	0.15	B	0.11	0.020	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Calcium	43000	B	110	19	mg/Kg	☼	10/17/19 17:35	10/21/19 01:11	10
Chromium	15		0.57	0.28	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Cobalt	15		0.28	0.074	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Copper	33		0.57	0.16	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Iron	19000		11	5.9	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Lead	32		0.28	0.13	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Magnesium	19000		5.7	2.8	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Manganese	310		0.57	0.082	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Nickel	38		0.57	0.17	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Potassium	2800		28	10	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Selenium	0.91		0.57	0.33	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Silver	2.3		0.28	0.073	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Sodium	480		57	8.4	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Thallium	0.90		0.57	0.28	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Vanadium	17		0.28	0.067	mg/Kg	☼	10/17/19 17:35	10/19/19 03:08	1
Zinc	47		1.1	0.50	mg/Kg	☼	10/17/19 17:35	10/21/19 01:07	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 09:16	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:51	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.018	0.0061	mg/Kg	☼	10/15/19 14:40	10/16/19 08:35	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			10/14/19 15:36	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (4-10)-101019**

**Lab Sample ID: 500-171579-9**

Date Collected: 10/10/19 02:00

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.6

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00079	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
<b>Acetone</b>	<b>0.0083</b>	<b>J</b>	0.018	0.0080	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Bromoform	<0.0018		0.0018	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Carbon disulfide	<0.0046		0.0046	0.00095	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Chlorobenzene	<0.0018		0.0018	0.00068	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Chloroethane	<0.0046	*	0.0046	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Chloroform	<0.0018		0.0018	0.00064	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Chloromethane	<0.0046		0.0046	0.0018	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0020	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Tetrachloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	10/10/19 18:33	10/18/19 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	10/10/19 18:33	10/18/19 17:34	1
4-Bromofluorobenzene (Surr)	112		75 - 131	10/10/19 18:33	10/18/19 17:34	1
Dibromofluoromethane	95		75 - 126	10/10/19 18:33	10/18/19 17:34	1
Toluene-d8 (Surr)	99		75 - 124	10/10/19 18:33	10/18/19 17:34	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (4-10)-101019**

**Lab Sample ID: 500-171579-9**

Date Collected: 10/10/19 02:00

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
2,4-Dichlorophenol	<0.40		0.40	0.097	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
<b>2-Methylnaphthalene</b>	<b>0.040</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
<b>Acenaphthene</b>	<b>0.014</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
<b>Benzo[a]anthracene</b>	<b>0.0058</b>	<b>J</b>	0.040	0.0055	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
<b>Benzo[a]pyrene</b>	<b>0.018</b>	<b>J</b>	0.040	0.0079	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
<b>Benzo[g,h,i]perylene</b>	<b>0.025</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
<b>Chrysene</b>	<b>0.034</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
<b>Fluorene</b>	<b>0.0087</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (4-10)-101019**

**Lab Sample ID: 500-171579-9**

Date Collected: 10/10/19 02:00

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.6

**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	<0.040		0.040	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
<b>Naphthalene</b>	<b>0.015</b>	<b>J</b>	0.040	0.0063	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
<b>N-Nitrosodiphenylamine</b>	<b>0.052</b>	<b>J *</b>	0.20	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
<b>Phenanthrene</b>	<b>0.13</b>		0.040	0.0057	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1
<b>Pyrene</b>	<b>0.030</b>	<b>J</b>	0.040	0.0081	mg/Kg	☼	10/17/19 15:56	10/18/19 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	59		31 - 143	10/17/19 15:56	10/18/19 13:57	1
2-Fluorobiphenyl	86		43 - 145	10/17/19 15:56	10/18/19 13:57	1
2-Fluorophenol	116		31 - 166	10/17/19 15:56	10/18/19 13:57	1
Nitrobenzene-d5	76		37 - 147	10/17/19 15:56	10/18/19 13:57	1
Phenol-d5	107		30 - 153	10/17/19 15:56	10/18/19 13:57	1
Terphenyl-d14	93		42 - 157	10/17/19 15:56	10/18/19 13:57	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 09:01	10/18/19 16:19	1
<b>Barium</b>	<b>0.43</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 09:01	10/18/19 16:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:01	10/18/19 16:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:01	10/18/19 16:19	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:19	1
<b>Cobalt</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:19	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:19	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 09:01	10/18/19 16:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:01	10/18/19 16:19	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:19	1
<b>Nickel</b>	<b>0.042</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:19	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:01	10/18/19 16:19	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:19	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 09:01	10/18/19 16:19	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		10/17/19 09:04	10/18/19 21:35	1
Barium	<0.50		0.50	0.050	mg/L		10/17/19 09:04	10/18/19 21:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:04	10/18/19 21:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:04	10/18/19 21:35	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:35	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:35	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:35	1
<b>Iron</b>	<b>0.32</b>	<b>J</b>	0.40	0.20	mg/L		10/17/19 09:04	10/18/19 21:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:04	10/18/19 21:35	1
<b>Manganese</b>	<b>0.023</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:35	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:35	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:04	10/18/19 21:35	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (4-10)-101019**

**Lab Sample ID: 500-171579-9**

Date Collected: 10/10/19 02:00

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.6

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:35	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 09:04	10/18/19 21:35	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.41	J B	1.1	0.22	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Arsenic	8.1		0.57	0.19	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Barium	40		0.57	0.065	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Beryllium	0.66		0.23	0.053	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Cadmium	0.12	B	0.11	0.020	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Calcium	53000	B	110	19	mg/Kg	☼	10/17/19 17:35	10/21/19 01:19	10
Chromium	15		0.57	0.28	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Cobalt	15		0.28	0.074	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Copper	29		0.57	0.16	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Iron	19000		11	5.9	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Lead	13		0.28	0.13	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Magnesium	23000		5.7	2.8	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Manganese	360		0.57	0.082	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Nickel	37		0.57	0.17	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Potassium	2900		28	10	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Selenium	0.79		0.57	0.33	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Silver	2.4		0.28	0.073	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Sodium	360		57	8.4	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Thallium	0.95		0.57	0.28	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Vanadium	17		0.28	0.067	mg/Kg	☼	10/17/19 17:35	10/19/19 03:12	1
Zinc	45		1.1	0.50	mg/Kg	☼	10/17/19 17:35	10/21/19 01:15	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 09:17	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:53	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.019	0.0063	mg/Kg	☼	10/15/19 14:40	10/16/19 08:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/14/19 15:48	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (10-15)-101019**

**Lab Sample ID: 500-171579-10**

Date Collected: 10/10/19 02:05

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.6

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
<b>Acetone</b>	<b>0.0079</b>	<b>J</b>	0.016	0.0071	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Carbon disulfide	<0.0041		0.0041	0.00084	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Chloroethane	<0.0041	*	0.0041	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	10/10/19 18:33	10/18/19 18:58	1
4-Bromofluorobenzene (Surr)	111		75 - 131	10/10/19 18:33	10/18/19 18:58	1
Dibromofluoromethane	99		75 - 126	10/10/19 18:33	10/18/19 18:58	1
Toluene-d8 (Surr)	98		75 - 124	10/10/19 18:33	10/18/19 18:58	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
1,4-Dichlorobenzene	<0.21		0.21	0.052	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (10-15)-101019**

**Lab Sample ID: 500-171579-10**

Date Collected: 10/10/19 02:05

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.093	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
2,4-Dimethylphenol	<0.41		0.41	0.15	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
2,6-Dinitrotoluene	<0.21		0.21	0.080	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
<b>2-Methylnaphthalene</b>	<b>0.021</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
2-Methylphenol	<0.21		0.21	0.065	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
2-Nitrophenol	<0.41		0.41	0.096	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
<b>Acenaphthene</b>	<b>0.0073</b>	<b>J</b>	0.041	0.0073	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Anthracene	<0.041		0.041	0.0068	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Benzo[a]pyrene	<0.041		0.041	0.0079	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Benzo[b]fluoranthene	<0.041		0.041	0.0088	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
<b>Benzo[g,h,i]perylene</b>	<b>0.022</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
<b>Chrysene</b>	<b>0.030</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Dimethyl phthalate	<0.21		0.21	0.053	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
<b>Fluorene</b>	<b>0.0072</b>	<b>J</b>	0.041	0.0057	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Hexachlorobenzene	<0.082		0.082	0.0095	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (10-15)-101019**

**Lab Sample ID: 500-171579-10**

Date Collected: 10/10/19 02:05

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
<b>Naphthalene</b>	<b>0.0082</b>	<b>J</b>	0.041	0.0063	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
N-Nitrosodiphenylamine	<0.21	*	0.21	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
<b>Phenanthrene</b>	<b>0.099</b>		0.041	0.0057	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
<b>Pyrene</b>	<b>0.021</b>	<b>J</b>	0.041	0.0081	mg/Kg	☼	10/17/19 15:56	10/18/19 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	59		31 - 143				10/17/19 15:56	10/18/19 14:26	1
2-Fluorobiphenyl	85		43 - 145				10/17/19 15:56	10/18/19 14:26	1
2-Fluorophenol	112		31 - 166				10/17/19 15:56	10/18/19 14:26	1
Nitrobenzene-d5	78		37 - 147				10/17/19 15:56	10/18/19 14:26	1
Phenol-d5	105		30 - 153				10/17/19 15:56	10/18/19 14:26	1
Terphenyl-d14	97		42 - 157				10/17/19 15:56	10/18/19 14:26	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 09:01	10/18/19 16:24	1
<b>Barium</b>	<b>0.41</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 09:01	10/18/19 16:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:01	10/18/19 16:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:01	10/18/19 16:24	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:24	1
<b>Cobalt</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:24	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:24	1
<b>Iron</b>	<b>0.22</b>	<b>J</b>	0.40	0.20	mg/L		10/17/19 09:01	10/18/19 16:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:01	10/18/19 16:24	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:24	1
<b>Nickel</b>	<b>0.046</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:24	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:01	10/18/19 16:24	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:24	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 09:01	10/18/19 16:24	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		10/17/19 09:04	10/18/19 21:40	1
Barium	<0.50		0.50	0.050	mg/L		10/17/19 09:04	10/18/19 21:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:04	10/18/19 21:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:04	10/18/19 21:40	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:40	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:40	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:40	1
<b>Iron</b>	<b>0.23</b>	<b>J</b>	0.40	0.20	mg/L		10/17/19 09:04	10/18/19 21:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:04	10/18/19 21:40	1
<b>Manganese</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:40	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:40	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:04	10/18/19 21:40	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (10-15)-101019**

**Lab Sample ID: 500-171579-10**

Date Collected: 10/10/19 02:05

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.6

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:40	1
<b>Zinc</b>	<b>0.021</b>	<b>J</b>	0.50	0.020	mg/L		10/17/19 09:04	10/18/19 21:40	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.41</b>	<b>J B</b>	1.2	0.23	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Arsenic</b>	<b>7.5</b>		0.59	0.20	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Barium</b>	<b>35</b>		0.59	0.067	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Beryllium</b>	<b>0.62</b>		0.24	0.055	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Cadmium</b>	<b>0.18</b>	<b>B</b>	0.12	0.021	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Calcium</b>	<b>65000</b>	<b>B</b>	120	20	mg/Kg	☼	10/17/19 17:35	10/21/19 01:27	10
<b>Chromium</b>	<b>14</b>		0.59	0.29	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Cobalt</b>	<b>14</b>		0.30	0.077	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Copper</b>	<b>37</b>		0.59	0.17	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Iron</b>	<b>20000</b>		12	6.1	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Lead</b>	<b>15</b>		0.30	0.14	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Magnesium</b>	<b>26000</b>		5.9	2.9	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Manganese</b>	<b>410</b>		0.59	0.086	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Nickel</b>	<b>37</b>		0.59	0.17	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Potassium</b>	<b>2600</b>		30	10	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Selenium</b>	<b>1.1</b>		0.59	0.35	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Silver</b>	<b>2.2</b>		0.30	0.076	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Sodium</b>	<b>230</b>		59	8.7	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Thallium</b>	<b>0.82</b>		0.59	0.29	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Vanadium</b>	<b>16</b>		0.30	0.070	mg/Kg	☼	10/17/19 17:35	10/19/19 03:16	1
<b>Zinc</b>	<b>57</b>		1.2	0.52	mg/Kg	☼	10/17/19 17:35	10/21/19 01:23	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 09:19	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:54	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.014</b>	<b>J</b>	0.019	0.0063	mg/Kg	☼	10/15/19 14:40	10/16/19 08:45	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.7</b>		0.2	0.2	SU			10/14/19 15:59	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (10-15)-101019D**

**Lab Sample ID: 500-171579-11**

**Date Collected: 10/10/19 02:05**

**Matrix: Solid**

**Date Received: 10/10/19 15:27**

**Percent Solids: 81.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Acetone	<0.017		0.017	0.0072	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Bromoform	<0.0017		0.0017	0.00048	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Bromomethane	<0.0041		0.0041	0.0016	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Carbon disulfide	<0.0041		0.0041	0.00086	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Chloroethane	<0.0041 *		0.0041	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Chloromethane	<0.0041		0.0041	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00046	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Ethylbenzene	<0.0017		0.0017	0.00079	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Vinyl chloride	<0.0017		0.0017	0.00073	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	10/10/19 18:33	10/18/19 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	10/10/19 18:33	10/18/19 19:24	1
4-Bromofluorobenzene (Surr)	110		75 - 131	10/10/19 18:33	10/18/19 19:24	1
Dibromofluoromethane	93		75 - 126	10/10/19 18:33	10/18/19 19:24	1
Toluene-d8 (Surr)	99		75 - 124	10/10/19 18:33	10/18/19 19:24	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (10-15)-101019D**

**Lab Sample ID: 500-171579-11**

Date Collected: 10/10/19 02:05

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
<b>2-Methylnaphthalene</b>	<b>0.024</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
<b>Acenaphthene</b>	<b>0.0089</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
<b>Chrysene</b>	<b>0.016</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (10-15)-101019D**

**Lab Sample ID: 500-171579-11**

Date Collected: 10/10/19 02:05

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.6

**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	<0.040		0.040	0.010	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
<b>Naphthalene</b>	<b>0.010</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
N-Nitrosodiphenylamine	<0.20	*	0.20	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
<b>Phenanthrene</b>	<b>0.064</b>		0.040	0.0056	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
<b>Pyrene</b>	<b>0.014</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/17/19 15:56	10/18/19 14:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	49		31 - 143				10/17/19 15:56	10/18/19 14:55	1
2-Fluorobiphenyl	82		43 - 145				10/17/19 15:56	10/18/19 14:55	1
2-Fluorophenol	95		31 - 166				10/17/19 15:56	10/18/19 14:55	1
Nitrobenzene-d5	71		37 - 147				10/17/19 15:56	10/18/19 14:55	1
Phenol-d5	86		30 - 153				10/17/19 15:56	10/18/19 14:55	1
Terphenyl-d14	101		42 - 157				10/17/19 15:56	10/18/19 14:55	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.013</b>	<b>J</b>	0.050	0.010	mg/L		10/17/19 09:01	10/18/19 16:28	1
<b>Barium</b>	<b>0.38</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 09:01	10/18/19 16:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:01	10/18/19 16:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:01	10/18/19 16:28	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:28	1
<b>Cobalt</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:28	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:28	1
<b>Iron</b>	<b>0.28</b>	<b>J</b>	0.40	0.20	mg/L		10/17/19 09:01	10/18/19 16:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:01	10/18/19 16:28	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:28	1
<b>Nickel</b>	<b>0.046</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:28	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:01	10/18/19 16:28	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:28	1
<b>Zinc</b>	<b>0.025</b>	<b>J B</b>	0.50	0.020	mg/L		10/17/19 09:01	10/18/19 16:28	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 09:04	10/18/19 21:44	1
Barium	<0.50		0.50	0.050	mg/L		10/17/19 09:04	10/18/19 21:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:04	10/18/19 21:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:04	10/18/19 21:44	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:44	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:44	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:44	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 09:04	10/18/19 21:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:04	10/18/19 21:44	1
<b>Manganese</b>	<b>0.024</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:44	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:44	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:04	10/18/19 21:44	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (10-15)-101019D**

**Lab Sample ID: 500-171579-11**

Date Collected: 10/10/19 02:05

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.6

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:44	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 09:04	10/18/19 21:44	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.55	J B	1.2	0.23	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Arsenic	7.7		0.58	0.20	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Barium	35		0.58	0.067	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Beryllium	0.63		0.23	0.055	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Cadmium	0.12	B	0.12	0.021	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Calcium	58000	B	120	20	mg/Kg	☼	10/17/19 17:35	10/21/19 01:36	10
Chromium	14		0.58	0.29	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Cobalt	14		0.29	0.077	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Copper	29		0.58	0.16	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Iron	19000		12	6.1	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Lead	13		0.29	0.13	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Magnesium	25000		5.8	2.9	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Manganese	360		0.58	0.085	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Nickel	36		0.58	0.17	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Potassium	2600		29	10	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Selenium	1.0		0.58	0.34	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Silver	2.3		0.29	0.075	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Sodium	250		58	8.6	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Thallium	0.73		0.58	0.29	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Vanadium	17		0.29	0.069	mg/Kg	☼	10/17/19 17:35	10/19/19 03:20	1
Zinc	45		1.2	0.51	mg/Kg	☼	10/17/19 17:35	10/21/19 01:31	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 09:24	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:59	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.018	0.0062	mg/Kg	☼	10/15/19 14:40	10/16/19 08:48	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/14/19 16:05	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (15-20)-101019**

**Lab Sample ID: 500-171579-12**

Date Collected: 10/10/19 12:15

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.4

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Acetone	<0.017		0.017	0.0072	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Carbon disulfide	<0.0042		0.0042	0.00086	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Chloroethane	<0.0042 *		0.0042	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00046	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0018	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Methylene Chloride	<0.0042		0.0042	0.0016	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	10/10/19 18:33	10/18/19 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	10/10/19 18:33	10/18/19 19:50	1
4-Bromofluorobenzene (Surr)	111		75 - 131	10/10/19 18:33	10/18/19 19:50	1
Dibromofluoromethane	92		75 - 126	10/10/19 18:33	10/18/19 19:50	1
Toluene-d8 (Surr)	97		75 - 124	10/10/19 18:33	10/18/19 19:50	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (15-20)-101019**

**Lab Sample ID: 500-171579-12**

Date Collected: 10/10/19 12:15

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.4

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
<b>2-Methylnaphthalene</b>	<b>0.027</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
<b>Acenaphthene</b>	<b>0.011</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
<b>Benzo[g,h,i]perylene</b>	<b>0.014</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Carbazole	<0.20	*	0.20	0.10	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
<b>Chrysene</b>	<b>0.023</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
<b>Fluorene</b>	<b>0.0073</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (15-20)-101019**

**Lab Sample ID: 500-171579-12**

Date Collected: 10/10/19 12:15

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.4

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
<b>Naphthalene</b>	<b>0.0092</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
N-Nitrosodiphenylamine	<0.20	*	0.20	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
<b>Phenanthrene</b>	<b>0.095</b>		0.040	0.0056	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
<b>Pyrene</b>	<b>0.021</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/17/19 15:56	10/18/19 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	41		31 - 143				10/17/19 15:56	10/18/19 15:24	1
2-Fluorobiphenyl	78		43 - 145				10/17/19 15:56	10/18/19 15:24	1
2-Fluorophenol	92		31 - 166				10/17/19 15:56	10/18/19 15:24	1
Nitrobenzene-d5	70		37 - 147				10/17/19 15:56	10/18/19 15:24	1
Phenol-d5	79		30 - 153				10/17/19 15:56	10/18/19 15:24	1
Terphenyl-d14	90		42 - 157				10/17/19 15:56	10/18/19 15:24	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		10/17/19 09:01	10/18/19 16:32	1
<b>Barium</b>	<b>0.44</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 09:01	10/18/19 16:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:01	10/18/19 16:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:01	10/18/19 16:32	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:32	1
<b>Cobalt</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:32	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:32	1
<b>Iron</b>	<b>0.24</b>	<b>J</b>	0.40	0.20	mg/L		10/17/19 09:01	10/18/19 16:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:01	10/18/19 16:32	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:32	1
<b>Nickel</b>	<b>0.034</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:01	10/18/19 16:32	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:32	1
<b>Zinc</b>	<b>0.028</b>	<b>J B</b>	0.50	0.020	mg/L		10/17/19 09:01	10/18/19 16:32	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		10/17/19 09:04	10/18/19 21:48	1
Barium	<0.50		0.50	0.050	mg/L		10/17/19 09:04	10/18/19 21:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:04	10/18/19 21:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:04	10/18/19 21:48	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:48	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:48	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:48	1
<b>Iron</b>	<b>0.48</b>		0.40	0.20	mg/L		10/17/19 09:04	10/18/19 21:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:04	10/18/19 21:48	1
<b>Manganese</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:48	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 21:48	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:04	10/18/19 21:48	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (15-20)-101019**

**Lab Sample ID: 500-171579-12**

Date Collected: 10/10/19 12:15

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.4

**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		10/17/19 09:04	10/18/19 21:48	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 09:04	10/18/19 21:48	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.31	J B	1.2	0.23	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Arsenic	7.4		0.58	0.20	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Barium	36		0.58	0.067	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Beryllium	0.60		0.23	0.055	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Cadmium	0.15	B	0.12	0.021	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Calcium	62000	B	120	20	mg/Kg	☼	10/17/19 17:35	10/21/19 01:52	10
Chromium	14		0.58	0.29	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Cobalt	13		0.29	0.077	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Copper	30		0.58	0.16	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Iron	19000		12	6.1	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Lead	13		0.29	0.13	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Magnesium	28000		5.8	2.9	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Manganese	380		0.58	0.085	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Nickel	34		0.58	0.17	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Potassium	2700		29	10	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Selenium	0.93		0.58	0.34	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Silver	2.2		0.29	0.075	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Sodium	230		58	8.6	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Thallium	0.63		0.58	0.29	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Vanadium	16		0.29	0.069	mg/Kg	☼	10/17/19 17:35	10/19/19 03:36	1
Zinc	49		1.2	0.51	mg/Kg	☼	10/17/19 17:35	10/21/19 01:48	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 09:26	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:01	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.020	0.0066	mg/Kg	☼	10/15/19 14:40	10/16/19 08:50	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/14/19 16:10	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (20-28)-101019**

**Lab Sample ID: 500-171579-13**

Date Collected: 10/10/19 02:25

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.3

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
<b>Acetone</b>	<b>0.0087</b>	<b>J</b>	0.018	0.0077	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Chloroethane	<0.0044	*	0.0044	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0020	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Methylene Chloride	<0.0044		0.0044	0.0018	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	10/10/19 18:33	10/18/19 20:16	1
4-Bromofluorobenzene (Surr)	112		75 - 131	10/10/19 18:33	10/18/19 20:16	1
Dibromofluoromethane	92		75 - 126	10/10/19 18:33	10/18/19 20:16	1
Toluene-d8 (Surr)	96		75 - 124	10/10/19 18:33	10/18/19 20:16	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (20-28)-101019**

**Lab Sample ID: 500-171579-13**

Date Collected: 10/10/19 02:25

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
2,4-Dinitrophenol	<0.83		0.83	0.73	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
<b>2-Methylnaphthalene</b>	<b>0.048</b>	<b>J</b>	0.083	0.0076	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
<b>Acenaphthene</b>	<b>0.014</b>	<b>J</b>	0.041	0.0074	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
<b>Benzo[a]anthracene</b>	<b>0.0083</b>	<b>J</b>	0.041	0.0056	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
<b>Benzo[b]fluoranthene</b>	<b>0.013</b>	<b>J</b>	0.041	0.0089	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
<b>Benzo[g,h,i]perylene</b>	<b>0.020</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Carbazole	<0.21	*	0.21	0.10	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
<b>Chrysene</b>	<b>0.031</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
<b>Fluoranthene</b>	<b>0.013</b>	<b>J</b>	0.041	0.0077	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
<b>Fluorene</b>	<b>0.0084</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Hexachlorobenzene	<0.083		0.083	0.0096	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (20-28)-101019**

**Lab Sample ID: 500-171579-13**

Date Collected: 10/10/19 02:25

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
<b>Naphthalene</b>	<b>0.012</b>	<b>J</b>	0.041	0.0064	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.051	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
N-Nitrosodiphenylamine	<0.21	*	0.21	0.049	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
<b>Phenanthrene</b>	<b>0.12</b>		0.041	0.0058	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
<b>Pyrene</b>	<b>0.030</b>	<b>J</b>	0.041	0.0082	mg/Kg	☼	10/17/19 15:56	10/18/19 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	41		31 - 143				10/17/19 15:56	10/18/19 15:53	1
2-Fluorobiphenyl	91		43 - 145				10/17/19 15:56	10/18/19 15:53	1
2-Fluorophenol	96		31 - 166				10/17/19 15:56	10/18/19 15:53	1
Nitrobenzene-d5	78		37 - 147				10/17/19 15:56	10/18/19 15:53	1
Phenol-d5	90		30 - 153				10/17/19 15:56	10/18/19 15:53	1
Terphenyl-d14	94		42 - 157				10/17/19 15:56	10/18/19 15:53	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		10/17/19 09:01	10/18/19 16:36	1
<b>Barium</b>	<b>0.53</b>		0.50	0.050	mg/L		10/17/19 09:01	10/18/19 16:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:01	10/18/19 16:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:01	10/18/19 16:36	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:36	1
<b>Cobalt</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:36	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:36	1
<b>Iron</b>	<b>0.23</b>	<b>J</b>	0.40	0.20	mg/L		10/17/19 09:01	10/18/19 16:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:01	10/18/19 16:36	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:36	1
<b>Nickel</b>	<b>0.034</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:36	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:01	10/18/19 16:36	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:36	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 09:01	10/18/19 16:36	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		10/17/19 09:04	10/18/19 22:00	1
Barium	<0.50		0.50	0.050	mg/L		10/17/19 09:04	10/18/19 22:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:04	10/18/19 22:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:04	10/18/19 22:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 22:00	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 22:00	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 22:00	1
<b>Iron</b>	<b>0.21</b>	<b>J</b>	0.40	0.20	mg/L		10/17/19 09:04	10/18/19 22:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 09:04	10/18/19 22:00	1
<b>Manganese</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:04	10/18/19 22:00	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 22:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:04	10/18/19 22:00	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-93 (20-28)-101019**

**Lab Sample ID: 500-171579-13**

Date Collected: 10/10/19 02:25

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.3

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 22:00	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 09:04	10/18/19 22:00	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.37	J B	1.2	0.23	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Arsenic	7.4		0.58	0.20	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Barium	39		0.58	0.067	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Beryllium	0.62		0.23	0.055	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Cadmium	0.13	B	0.12	0.021	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Calcium	63000	B	120	20	mg/Kg	☼	10/17/19 17:35	10/21/19 02:00	10
Chromium	15		0.58	0.29	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Cobalt	14		0.29	0.077	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Copper	32		0.58	0.16	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Iron	20000		12	6.1	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Lead	14		0.29	0.14	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Magnesium	24000		5.8	2.9	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Manganese	350		0.58	0.085	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Nickel	35		0.58	0.17	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Potassium	2800		29	10	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Selenium	0.78		0.58	0.34	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Silver	2.5		0.29	0.075	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Sodium	230		58	8.7	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Thallium	0.92		0.58	0.29	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Vanadium	18		0.29	0.069	mg/Kg	☼	10/17/19 17:35	10/19/19 03:40	1
Zinc	47		1.2	0.51	mg/Kg	☼	10/17/19 17:35	10/21/19 01:56	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 09:27	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:06	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.020	0.0067	mg/Kg	☼	10/15/19 14:40	10/16/19 08:52	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/14/19 16:16	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-81 (2-4)-101019**

**Lab Sample ID: 500-171579-14**

Date Collected: 10/10/19 02:40

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 86.4

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
<b>Acetone</b>	<b>0.0085</b>	<b>J</b>	0.016	0.0071	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Carbon disulfide	<0.0041		0.0041	0.00084	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Chloroethane	<0.0041	*	0.0041	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	10/10/19 18:33	10/18/19 20:42	1
4-Bromofluorobenzene (Surr)	107		75 - 131	10/10/19 18:33	10/18/19 20:42	1
Dibromofluoromethane	93		75 - 126	10/10/19 18:33	10/18/19 20:42	1
Toluene-d8 (Surr)	95		75 - 124	10/10/19 18:33	10/18/19 20:42	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-81 (2-4)-101019**

**Lab Sample ID: 500-171579-14**

Date Collected: 10/10/19 02:40

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 86.4

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
2,4-Dinitrophenol	<0.77		0.77	0.68	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>2-Methylnaphthalene</b>	<b>0.018</b>	<b>J</b>	0.077	0.0071	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
4-Nitrophenol	<0.77		0.77	0.37	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Acenaphthene</b>	<b>0.071</b>		0.038	0.0069	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Acenaphthylene</b>	<b>0.036</b>	<b>J</b>	0.038	0.0051	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Anthracene</b>	<b>0.21</b>		0.038	0.0064	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Benzo[a]anthracene</b>	<b>0.66</b>		0.038	0.0052	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Benzo[a]pyrene</b>	<b>0.72</b>		0.038	0.0074	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Benzo[b]fluoranthene</b>	<b>0.89</b>		0.038	0.0083	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Benzo[g,h,i]perylene</b>	<b>0.30</b>		0.038	0.012	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Benzo[k]fluoranthene</b>	<b>0.36</b>		0.038	0.011	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Carbazole	<0.19	*	0.19	0.096	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Chrysene</b>	<b>0.65</b>		0.038	0.010	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Dibenz(a,h)anthracene</b>	<b>0.085</b>		0.038	0.0074	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Dibenzofuran</b>	<b>0.089</b>	<b>J</b>	0.19	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Fluoranthene</b>	<b>1.5</b>		0.038	0.0071	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Fluorene</b>	<b>0.065</b>		0.038	0.0054	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-81 (2-4)-101019**

**Lab Sample ID: 500-171579-14**

Date Collected: 10/10/19 02:40

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 86.4

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.32</b>		0.038	0.010	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Naphthalene</b>	<b>0.018</b>	<b>J</b>	0.038	0.0059	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
N-Nitrosodiphenylamine	<0.19	*	0.19	0.045	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Pentachlorophenol	<0.77		0.77	0.62	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Phenanthrene</b>	<b>0.46</b>		0.038	0.0054	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Pyrene</b>	<b>1.2</b>		0.038	0.0076	mg/Kg	☼	10/17/19 15:56	10/18/19 16:22	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	47		31 - 143				10/17/19 15:56	10/18/19 16:22	1
2-Fluorobiphenyl	74		43 - 145				10/17/19 15:56	10/18/19 16:22	1
2-Fluorophenol	86		31 - 166				10/17/19 15:56	10/18/19 16:22	1
Nitrobenzene-d5	65		37 - 147				10/17/19 15:56	10/18/19 16:22	1
Phenol-d5	84		30 - 153				10/17/19 15:56	10/18/19 16:22	1
Terphenyl-d14	81		42 - 157				10/17/19 15:56	10/18/19 16:22	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 09:01	10/18/19 16:41	1
<b>Barium</b>	<b>0.19</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 09:01	10/18/19 16:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:01	10/18/19 16:41	1
<b>Cadmium</b>	<b>0.0023</b>	<b>J</b>	0.0050	0.0020	mg/L		10/17/19 09:01	10/18/19 16:41	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:41	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:41	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:41	1
<b>Iron</b>	<b>0.21</b>	<b>J</b>	0.40	0.20	mg/L		10/17/19 09:01	10/18/19 16:41	1
<b>Lead</b>	<b>0.030</b>		0.0075	0.0075	mg/L		10/17/19 09:01	10/18/19 16:41	1
<b>Manganese</b>	<b>0.82</b>		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:41	1
<b>Nickel</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:41	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:01	10/18/19 16:41	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 09:01	10/18/19 16:41	1
<b>Zinc</b>	<b>0.16</b>	<b>J B</b>	0.50	0.020	mg/L		10/17/19 09:01	10/18/19 16:41	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 09:04	10/18/19 22:05	1
<b>Barium</b>	<b>0.050</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 09:04	10/18/19 22:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 09:04	10/18/19 22:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 09:04	10/18/19 22:05	1
<b>Chromium</b>	<b>0.016</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:04	10/18/19 22:05	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 22:05	1
<b>Copper</b>	<b>0.024</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:04	10/18/19 22:05	1
<b>Iron</b>	<b>13</b>		0.40	0.20	mg/L		10/17/19 09:04	10/18/19 22:05	1
<b>Lead</b>	<b>0.060</b>		0.0075	0.0075	mg/L		10/17/19 09:04	10/18/19 22:05	1
<b>Manganese</b>	<b>0.071</b>		0.025	0.010	mg/L		10/17/19 09:04	10/18/19 22:05	1
<b>Nickel</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 09:04	10/18/19 22:05	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 09:04	10/18/19 22:05	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-81 (2-4)-101019**

**Lab Sample ID: 500-171579-14**

Date Collected: 10/10/19 02:40

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 86.4

**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		10/17/19 09:04	10/18/19 22:05	1
Zinc	0.24	J	0.50	0.020	mg/L		10/17/19 09:04	10/18/19 22:05	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.58	J B	1.1	0.22	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Arsenic	1.9		0.57	0.19	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Barium	13		0.57	0.065	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Beryllium	0.19	J	0.23	0.053	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Cadmium	0.15	B	0.11	0.020	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Calcium	45000	B	110	19	mg/Kg	☼	10/17/19 17:35	10/21/19 02:09	10
Chromium	5.0		0.57	0.28	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Cobalt	2.6		0.28	0.074	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Copper	10		0.57	0.16	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Iron	6400		11	5.9	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Lead	20		0.28	0.13	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Magnesium	22000		5.7	2.8	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Manganese	210		0.57	0.082	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Nickel	7.0		0.57	0.17	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Potassium	460		28	10	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Selenium	0.65		0.57	0.33	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Silver	1.2		0.28	0.073	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Sodium	190		57	8.4	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Thallium	<0.57		0.57	0.28	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Vanadium	9.1		0.28	0.067	mg/Kg	☼	10/17/19 17:35	10/19/19 03:44	1
Zinc	33		1.1	0.50	mg/Kg	☼	10/17/19 17:35	10/21/19 02:05	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 09:29	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:08	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.019	0.0062	mg/Kg	☼	10/15/19 14:40	10/16/19 08:54	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			10/14/19 16:22	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-81-101019**

**Lab Sample ID: 500-171579-15**

Date Collected: 10/10/19 03:30

Matrix: Water

Date Received: 10/10/19 15:27

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0010		0.0010	0.00038	mg/L			10/19/19 14:00	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00040	mg/L			10/19/19 14:00	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00035	mg/L			10/19/19 14:00	1
1,1-Dichloroethane	<0.0010		0.0010	0.00041	mg/L			10/19/19 14:00	1
1,1-Dichloroethene	<0.0010		0.0010	0.00039	mg/L			10/19/19 14:00	1
1,2-Dichloroethane	<0.0010		0.0010	0.00039	mg/L			10/19/19 14:00	1
1,2-Dichloropropane	<0.0010		0.0010	0.00043	mg/L			10/19/19 14:00	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00042	mg/L			10/19/19 14:00	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/L			10/19/19 14:00	1
<b>Acetone</b>	<b>0.0032</b>	<b>J</b>	0.010	0.0017	mg/L			10/19/19 14:00	1
Benzene	<0.00050		0.00050	0.00015	mg/L			10/19/19 14:00	1
Bromodichloromethane	<0.0010		0.0010	0.00037	mg/L			10/19/19 14:00	1
Bromoform	<0.0010		0.0010	0.00048	mg/L			10/19/19 14:00	1
Bromomethane	<0.0030		0.0030	0.00080	mg/L			10/19/19 14:00	1
Carbon disulfide	<0.0020		0.0020	0.00045	mg/L			10/19/19 14:00	1
Carbon tetrachloride	<0.0010		0.0010	0.00038	mg/L			10/19/19 14:00	1
Chlorobenzene	<0.0010		0.0010	0.00039	mg/L			10/19/19 14:00	1
Chloroethane	<0.0010		0.0010	0.00051	mg/L			10/19/19 14:00	1
Chloroform	<0.0020		0.0020	0.00037	mg/L			10/19/19 14:00	1
Chloromethane	<0.0010		0.0010	0.00032	mg/L			10/19/19 14:00	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00041	mg/L			10/19/19 14:00	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00042	mg/L			10/19/19 14:00	1
Dibromochloromethane	<0.0010		0.0010	0.00049	mg/L			10/19/19 14:00	1
Ethylbenzene	<0.00050		0.00050	0.00018	mg/L			10/19/19 14:00	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0021	mg/L			10/19/19 14:00	1
methyl isobutyl ketone	<0.0050		0.0050	0.0022	mg/L			10/19/19 14:00	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00039	mg/L			10/19/19 14:00	1
Methylene Chloride	<0.0050		0.0050	0.0016	mg/L			10/19/19 14:00	1
Styrene	<0.0010		0.0010	0.00039	mg/L			10/19/19 14:00	1
Tetrachloroethene	<0.0010		0.0010	0.00037	mg/L			10/19/19 14:00	1
Toluene	<0.00050		0.00050	0.00015	mg/L			10/19/19 14:00	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00035	mg/L			10/19/19 14:00	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00036	mg/L			10/19/19 14:00	1
Trichloroethene	<0.00050		0.00050	0.00016	mg/L			10/19/19 14:00	1
Vinyl chloride	<0.0010		0.0010	0.00020	mg/L			10/19/19 14:00	1
Xylenes, Total	<0.0010		0.0010	0.00022	mg/L			10/19/19 14:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		75 - 126		10/19/19 14:00	1
4-Bromofluorobenzene (Surr)	100		72 - 124		10/19/19 14:00	1
Dibromofluoromethane	101		75 - 120		10/19/19 14:00	1
Toluene-d8 (Surr)	96		75 - 120		10/19/19 14:00	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.0015		0.0015	0.00018	mg/L		10/15/19 09:34	10/16/19 19:46	1
1,2-Dichlorobenzene	<0.0015		0.0015	0.00018	mg/L		10/15/19 09:34	10/16/19 19:46	1
1,3-Dichlorobenzene	<0.0015		0.0015	0.00016	mg/L		10/15/19 09:34	10/16/19 19:46	1
1,4-Dichlorobenzene	<0.0015		0.0015	0.00016	mg/L		10/15/19 09:34	10/16/19 19:46	1
2,2'-oxybis[1-chloropropane]	<0.0015		0.0015	0.00028	mg/L		10/15/19 09:34	10/16/19 19:46	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-81-101019**

**Lab Sample ID: 500-171579-15**

**Date Collected: 10/10/19 03:30**

**Matrix: Water**

**Date Received: 10/10/19 15:27**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.0074		0.0074	0.0019	mg/L		10/15/19 09:34	10/16/19 19:46	1
2,4,6-Trichlorophenol	<0.0037		0.0037	0.00053	mg/L		10/15/19 09:34	10/16/19 19:46	1
2,4-Dichlorophenol	<0.0074		0.0074	0.0019	mg/L		10/15/19 09:34	10/16/19 19:46	1
2,4-Dimethylphenol	<0.0074		0.0074	0.0013	mg/L		10/15/19 09:34	10/16/19 19:46	1
2,4-Dinitrophenol	<0.015		0.015	0.0064	mg/L		10/15/19 09:34	10/16/19 19:46	1
2,4-Dinitrotoluene	<0.00074		0.00074	0.00018	mg/L		10/15/19 09:34	10/16/19 19:46	1
2,6-Dinitrotoluene	<0.00074		0.00074	0.000055	mg/L		10/15/19 09:34	10/16/19 19:46	1
2-Chloronaphthalene	<0.0015		0.0015	0.00018	mg/L		10/15/19 09:34	10/16/19 19:46	1
2-Chlorophenol	<0.0037		0.0037	0.00042	mg/L		10/15/19 09:34	10/16/19 19:46	1
2-Methylnaphthalene	<0.0015		0.0015	0.000049	mg/L		10/15/19 09:34	10/16/19 19:46	1
2-Methylphenol	<0.0015		0.0015	0.00023	mg/L		10/15/19 09:34	10/16/19 19:46	1
2-Nitroaniline	<0.0037		0.0037	0.00096	mg/L		10/15/19 09:34	10/16/19 19:46	1
2-Nitrophenol	<0.0074		0.0074	0.0019	mg/L		10/15/19 09:34	10/16/19 19:46	1
3 & 4 Methylphenol	<0.0015		0.0015	0.00033	mg/L		10/15/19 09:34	10/16/19 19:46	1
3,3'-Dichlorobenzidine	<0.0037		0.0037	0.0013	mg/L		10/15/19 09:34	10/16/19 19:46	1
3-Nitroaniline	<0.0074		0.0074	0.0013	mg/L		10/15/19 09:34	10/16/19 19:46	1
4,6-Dinitro-2-methylphenol	<0.015		0.015	0.0044	mg/L		10/15/19 09:34	10/16/19 19:46	1
4-Bromophenyl phenyl ether	<0.0037		0.0037	0.00040	mg/L		10/15/19 09:34	10/16/19 19:46	1
4-Chloro-3-methylphenol	<0.0074		0.0074	0.0017	mg/L		10/15/19 09:34	10/16/19 19:46	1
4-Chloroaniline	<0.0074		0.0074	0.0015	mg/L		10/15/19 09:34	10/16/19 19:46	1
4-Chlorophenyl phenyl ether	<0.0037		0.0037	0.00047	mg/L		10/15/19 09:34	10/16/19 19:46	1
4-Nitroaniline	<0.0074		0.0074	0.0012	mg/L		10/15/19 09:34	10/16/19 19:46	1
4-Nitrophenol	<0.015		0.015	0.0055	mg/L		10/15/19 09:34	10/16/19 19:46	1
Acenaphthene	<0.00074		0.00074	0.00023	mg/L		10/15/19 09:34	10/16/19 19:46	1
Acenaphthylene	<0.00074		0.00074	0.00020	mg/L		10/15/19 09:34	10/16/19 19:46	1
Anthracene	<0.00074		0.00074	0.00025	mg/L		10/15/19 09:34	10/16/19 19:46	1
Benzo[a]anthracene	<0.00012		0.00012	0.000042	mg/L		10/15/19 09:34	10/16/19 19:46	1
<b>Benzo[a]pyrene</b>	<b>0.00016</b>		0.00015	0.000074	mg/L		10/15/19 09:34	10/16/19 19:46	1
<b>Benzo[b]fluoranthene</b>	<b>0.00017</b>		0.00015	0.000060	mg/L		10/15/19 09:34	10/16/19 19:46	1
Benzo[g,h,i]perylene	<0.00074		0.00074	0.00028	mg/L		10/15/19 09:34	10/16/19 19:46	1
<b>Benzo[k]fluoranthene</b>	<b>0.000070 J</b>		0.00015	0.000048	mg/L		10/15/19 09:34	10/16/19 19:46	1
Bis(2-chloroethoxy)methane	<0.0015		0.0015	0.00021	mg/L		10/15/19 09:34	10/16/19 19:46	1
Bis(2-chloroethyl)ether	<0.0015		0.0015	0.00022	mg/L		10/15/19 09:34	10/16/19 19:46	1
Bis(2-ethylhexyl) phthalate	<0.0074		0.0074	0.0013	mg/L		10/15/19 09:34	10/16/19 19:46	1
Butyl benzyl phthalate	<0.0015		0.0015	0.00036	mg/L		10/15/19 09:34	10/16/19 19:46	1
Carbazole	<0.0037		0.0037	0.00026	mg/L		10/15/19 09:34	10/16/19 19:46	1
Chrysene	<0.00015		0.00015	0.000051	mg/L		10/15/19 09:34	10/16/19 19:46	1
Dibenz(a,h)anthracene	<0.00022		0.00022	0.000038	mg/L		10/15/19 09:34	10/16/19 19:46	1
Dibenzofuran	<0.0015		0.0015	0.00020	mg/L		10/15/19 09:34	10/16/19 19:46	1
Diethyl phthalate	<0.0037		0.0037	0.00027	mg/L		10/15/19 09:34	10/16/19 19:46	1
Dimethyl phthalate	<0.0037		0.0037	0.00023	mg/L		10/15/19 09:34	10/16/19 19:46	1
Di-n-butyl phthalate	<0.0037		0.0037	0.00054	mg/L		10/15/19 09:34	10/16/19 19:46	1
Di-n-octyl phthalate	<0.0074		0.0074	0.00078	mg/L		10/15/19 09:34	10/16/19 19:46	1
Fluoranthene	<0.00074		0.00074	0.00034	mg/L		10/15/19 09:34	10/16/19 19:46	1
Fluorene	<0.00074		0.00074	0.00018	mg/L		10/15/19 09:34	10/16/19 19:46	1
Hexachlorobenzene	<0.00037		0.00037	0.000059	mg/L		10/15/19 09:34	10/16/19 19:46	1
Hexachlorobutadiene	<0.0037		0.0037	0.00038	mg/L		10/15/19 09:34	10/16/19 19:46	1
Hexachlorocyclopentadiene	<0.015		0.015	0.0047	mg/L		10/15/19 09:34	10/16/19 19:46	1
Hexachloroethane	<0.0037		0.0037	0.00045	mg/L		10/15/19 09:34	10/16/19 19:46	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

**Client Sample ID: ROW-81-101019**

**Lab Sample ID: 500-171579-15**

Date Collected: 10/10/19 03:30

Matrix: Water

Date Received: 10/10/19 15:27

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.00085</b>	<b>J</b>	0.00015	0.000056	mg/L		10/15/19 09:34	10/16/19 19:46	1
Isophorone	<0.0015		0.0015	0.00028	mg/L		10/15/19 09:34	10/16/19 19:46	1
Naphthalene	<0.00074		0.00074	0.00023	mg/L		10/15/19 09:34	10/16/19 19:46	1
Nitrobenzene	<0.00074		0.00074	0.00033	mg/L		10/15/19 09:34	10/16/19 19:46	1
N-Nitrosodi-n-propylamine	<0.00037		0.00037	0.00011	mg/L		10/15/19 09:34	10/16/19 19:46	1
N-Nitrosodiphenylamine	<0.0015		0.0015	0.00028	mg/L		10/15/19 09:34	10/16/19 19:46	1
Pentachlorophenol	<0.015		0.015	0.0029	mg/L		10/15/19 09:34	10/16/19 19:46	1
Phenanthrene	<0.00074		0.00074	0.00022	mg/L		10/15/19 09:34	10/16/19 19:46	1
Phenol	<0.0037		0.0037	0.00050	mg/L		10/15/19 09:34	10/16/19 19:46	1
Pyrene	<0.00074		0.00074	0.00032	mg/L		10/15/19 09:34	10/16/19 19:46	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	89		40 - 145				10/15/19 09:34	10/16/19 19:46	1
<i>2-Fluorobiphenyl</i>	69		34 - 110				10/15/19 09:34	10/16/19 19:46	1
<i>2-Fluorophenol</i>	52		27 - 110				10/15/19 09:34	10/16/19 19:46	1
<i>Nitrobenzene-d5</i>	76		36 - 120				10/15/19 09:34	10/16/19 19:46	1
<i>Phenol-d5</i>	52		20 - 110				10/15/19 09:34	10/16/19 19:46	1
<i>Terphenyl-d14</i>	83		40 - 145				10/15/19 09:34	10/16/19 19:46	1

## Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030	0.0013	mg/L		10/15/19 16:35	10/16/19 10:53	1
<b>Arsenic</b>	<b>0.0038</b>		0.0010	0.00023	mg/L		10/15/19 16:35	10/16/19 10:53	1
<b>Barium</b>	<b>0.23</b>		0.0025	0.00073	mg/L		10/15/19 16:35	10/16/19 10:53	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		10/15/19 16:35	10/16/19 10:53	1
<b>Cadmium</b>	<b>0.00034</b>	<b>J</b>	0.00050	0.00017	mg/L		10/15/19 16:35	10/16/19 10:53	1
<b>Calcium</b>	<b>100</b>		0.20	0.044	mg/L		10/15/19 16:35	10/16/19 10:53	1
<b>Chromium</b>	<b>0.0094</b>		0.0050	0.0011	mg/L		10/15/19 16:35	10/16/19 10:53	1
<b>Cobalt</b>	<b>0.0031</b>		0.0010	0.00040	mg/L		10/15/19 16:35	10/16/19 10:53	1
<b>Copper</b>	<b>0.023</b>	<b>B</b>	0.0020	0.00050	mg/L		10/15/19 16:35	10/16/19 10:53	1
<b>Iron</b>	<b>8.4</b>		0.10	0.047	mg/L		10/15/19 16:35	10/16/19 10:53	1
<b>Lead</b>	<b>0.046</b>		0.00050	0.00019	mg/L		10/15/19 16:35	10/16/19 10:53	1
<b>Magnesium</b>	<b>89</b>		0.20	0.049	mg/L		10/15/19 16:35	10/16/19 10:53	1
<b>Manganese</b>	<b>0.23</b>		0.0025	0.00079	mg/L		10/15/19 16:35	10/16/19 10:53	1
<b>Nickel</b>	<b>0.010</b>		0.0020	0.00063	mg/L		10/15/19 16:35	10/16/19 10:53	1
<b>Potassium</b>	<b>41</b>		0.50	0.11	mg/L		10/15/19 16:35	10/16/19 10:53	1
Selenium	<0.0025		0.0025	0.00098	mg/L		10/15/19 16:35	10/16/19 10:53	1
Silver	<0.00050		0.00050	0.00012	mg/L		10/15/19 16:35	10/16/19 10:53	1
<b>Sodium</b>	<b>3400</b>		20	7.7	mg/L		10/15/19 16:35	10/16/19 13:33	100
Thallium	<0.0020		0.0020	0.00057	mg/L		10/15/19 16:35	10/16/19 10:53	1
<b>Vanadium</b>	<b>0.016</b>		0.0050	0.0022	mg/L		10/15/19 16:35	10/16/19 11:25	1
<b>Zinc</b>	<b>0.10</b>		0.020	0.0069	mg/L		10/15/19 16:35	10/16/19 10:53	1

## Method: 7470A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020	F1	0.00020	0.000098	mg/L		10/15/19 11:05	10/16/19 08:30	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171579-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
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.
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 - Circle Interchange-WO 003

Job ID: 500-171579-1

## 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 TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andris Slesars  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: STAA  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_ 500-171579 COC  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171579  
Chain of Custody Number: \_\_\_\_\_  
Page 1 of 4  
Temperature °C of Cooler: 3.2, 2.0, 2.7

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
<u>Weston</u>		<u>02056-016-002</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		Project Location/State		Lab Project #		Lab PM					
<u>200T 90/94</u>		<u>Chicago, IL</u>									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix					
<u>1</u>		<u>ROW-71 (4-8)-101019</u>	<u>10/10/19</u>	<u>0110</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>2</u>		<u>ROW-72 (2-4)-101019</u>		<u>0055</u>							
<u>3</u>		<u>ROW-72 (4-8)-101019</u>		<u>0100</u>							
<u>4</u>		<u>ROW-73 (4-8)-101019</u>		<u>0045</u>							
<u>5</u>		<u>ROW-74 (2-4)-101019</u>		<u>0005</u>							
<u>6</u>		<u>ROW-74 (4-8)-101019</u>		<u>0010</u>							
<u>7</u>		<u>ROW-75 (4-8)-101019</u>		<u>0025</u>							
<u>8</u>		<u>ROW-93 (0-4)-101019</u>		<u>0135</u>							
<u>9</u>		<u>ROW-93 (4-10)-101019</u>		<u>0200</u>							
<u>10</u>		<u>ROW-93 (10-15)-101019</u>		<u>0205</u>							

Turnaround Time Required (Business Days)  
 \_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 5 Days  7 Days \_\_\_ 10 Days \_\_\_ 15 Days \_\_\_ Other  
 Requested Due Date \_\_\_\_\_

Sample Disposal  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>WS</u> Date: <u>10/10/19</u> Time: <u>1425</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/10/19</u> Time: <u>1425</u>	Lab Courier: _____
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/10/19</u> Time: <u>1527</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/10/19</u> Time: <u>1527</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
 Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional) Andris Slessees  
 Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

Bill To (optional) \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: SAME  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171579  
 Chain of Custody Number: \_\_\_\_\_  
 Page 2 of 4  
 Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter					Preservative Key		
<u>Weston</u>		<u>02056.016.003</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		Project Location/State		Lab Project #		# of Containers	Matrix	VOCS	SVOCs	Metals	Metals		pH
<u>EDOT 9/94</u>		<u>Chicago, IL</u>											
Lab ID	MS/MSD	Sample ID	Date	Time								Comments	
<u>11</u>		<u>Row-93(10-15)-101018</u>	<u>10/10/19</u>	<u>0205</u>	<u>6</u>	<u>A</u>		X	X	X	X	X	
<u>12</u>		<u>Row-93(15-20)-101018</u>		<u>1215</u>									
<u>13</u>		<u>Row-93(20-28)-101018</u>		<u>0225</u>									
<u>14</u>		<u>Row-81(2-4)-101018</u>		<u>0240</u>									
<u>15</u>		<u>Row-81-101018</u>		<u>0330</u>	<u>6</u>	<u>WT</u>							
<u>16</u>		<u>Row-82(10-15)-100918</u>	<u>10/9/19</u>	<u>2310</u>	<u>6</u>	<u>S</u>							<u>(5-16)</u>
<u>17</u>		<u>Row-82(15-20)-100918</u>		<u>2315</u>									<u>(10-15)</u>
<u>18</u>		<u>Row-82(20-28)-100918</u>		<u>2320</u>									
<u>19</u>		<u>Row-82(28-36)-100918</u>		<u>2335</u>									
<u>20</u>		<u>Row-82(28-36)-100918</u>		<u>2345</u>									

Turnaround Time Required (Business Days)  
 \_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 5 Days X 7 Days \_\_\_ 10 Days \_\_\_ 15 Days \_\_\_ Other  
 Requested Due Date \_\_\_\_\_

Sample Disposal  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>WS</u> Date: <u>10/10/19</u> Time: <u>1405</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/10/19</u> Time: <u>1425</u>	Lab Courier: _____
Relinquished By: <u>T. Neal</u> Company: <u>A</u> Date: <u>10/10/19</u> Time: <u>1527</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/10/19</u> Time: <u>1527</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

Matrix Key  
 WW - Wastewater SE - Sediment  
 W - Water SO - Soil  
 S - Soil L - Leachate  
 SL - Sludge WI - Wipe  
 MS - Miscellaneous DW - Drinking Water  
 OL - Oil O - Other  
 A - Air

Client Comments

Lab Comments:

## ANALYTICAL REPORT

Eurofins TestAmerica, Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

Laboratory Job ID: 500-171581-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

Weston Solutions, Inc.  
300 Plaza Circle, Suite 202  
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers



Authorized for release by:  
10/22/2019 8:34:05 AM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-83 (4-10)-101019**

**Lab Sample ID: 500-171581-5**

Date Collected: 10/10/19 01:45

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.8

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
<b>Acetone</b>	<b>0.031</b>		0.017	0.0074	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Chloroethane	<0.0042 *		0.0042	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/10/19 18:33	10/18/19 15:52	1
4-Bromofluorobenzene (Surr)	98		75 - 131	10/10/19 18:33	10/18/19 15:52	1
Dibromofluoromethane	100		75 - 126	10/10/19 18:33	10/18/19 15:52	1
Toluene-d8 (Surr)	97		75 - 124	10/10/19 18:33	10/18/19 15:52	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-83 (4-10)-101019**

**Lab Sample ID: 500-171581-5**

Date Collected: 10/10/19 01:45

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.8

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
<b>2-Methylnaphthalene</b>	<b>0.059</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
<b>Acenaphthene</b>	<b>0.021</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
<b>Anthracene</b>	<b>0.0076</b>	<b>J</b>	0.040	0.0067	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
<b>Benzo[g,h,i]perylene</b>	<b>0.024</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
<b>Chrysene</b>	<b>0.044</b>		0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
<b>Fluorene</b>	<b>0.011</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Hexachlorobenzene	<0.081		0.081	0.0094	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-83 (4-10)-101019**

**Lab Sample ID: 500-171581-5**

Date Collected: 10/10/19 01:45

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.8

**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	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
<b>Phenanthrene</b>	<b>0.17</b>		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1
<b>Pyrene</b>	<b>0.030</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/18/19 07:37	10/18/19 23:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		31 - 143	10/18/19 07:37	10/18/19 23:17	1
2-Fluorobiphenyl	88		43 - 145	10/18/19 07:37	10/18/19 23:17	1
2-Fluorophenol	83		31 - 166	10/18/19 07:37	10/18/19 23:17	1
Nitrobenzene-d5	88		37 - 147	10/18/19 07:37	10/18/19 23:17	1
Phenol-d5	82		30 - 153	10/18/19 07:37	10/18/19 23:17	1
Terphenyl-d14	103		42 - 157	10/18/19 07:37	10/18/19 23:17	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		10/17/19 14:44	10/19/19 00:51	1
<b>Barium</b>	<b>0.50</b>		0.50	0.050	mg/L		10/17/19 14:44	10/19/19 00:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:44	10/19/19 00:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:44	10/19/19 00:51	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 00:51	1
<b>Cobalt</b>	<b>0.029</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 00:51	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 00:51	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 14:44	10/19/19 00:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:44	10/19/19 00:51	1
<b>Manganese</b>	<b>2.2</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 00:51	1
<b>Nickel</b>	<b>0.056</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 00:51	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:44	10/19/19 00:51	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 00:51	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:44	10/19/19 00:51	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.012</b>	<b>J</b>	0.050	0.010	mg/L		10/17/19 14:42	10/18/19 19:39	1
<b>Barium</b>	<b>0.21</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 14:42	10/18/19 19:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:42	10/18/19 19:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:42	10/18/19 19:39	1
<b>Chromium</b>	<b>0.073</b>		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:39	1
<b>Cobalt</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:39	1
<b>Copper</b>	<b>0.051</b>		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:39	1
<b>Iron</b>	<b>35</b>		0.40	0.20	mg/L		10/17/19 14:42	10/18/19 19:39	1
<b>Lead</b>	<b>0.024</b>		0.0075	0.0075	mg/L		10/17/19 14:42	10/18/19 19:39	1
<b>Manganese</b>	<b>0.26</b>		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:39	1
<b>Nickel</b>	<b>0.056</b>		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:39	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:42	10/18/19 19:39	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-83 (4-10)-101019**

**Lab Sample ID: 500-171581-5**

Date Collected: 10/10/19 01:45

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.8

**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		10/17/19 14:42	10/18/19 19:39	1
<b>Zinc</b>	<b>0.091</b>	<b>J</b>	0.50	0.020	mg/L		10/17/19 14:42	10/18/19 19:39	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.52</b>	<b>J B</b>	1.1	0.22	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Arsenic</b>	<b>6.6</b>		0.56	0.19	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Barium</b>	<b>54</b>		0.56	0.064	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Beryllium</b>	<b>0.67</b>		0.23	0.053	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Cadmium</b>	<b>0.14</b>	<b>B</b>	0.11	0.020	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Calcium</b>	<b>50000</b>	<b>B</b>	110	19	mg/Kg	☼	10/17/19 17:32	10/20/19 20:43	10
<b>Chromium</b>	<b>16</b>		0.56	0.28	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Cobalt</b>	<b>13</b>		0.28	0.074	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Copper</b>	<b>27</b>		0.56	0.16	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Iron</b>	<b>24000</b>	<b>B</b>	11	5.9	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Lead</b>	<b>12</b>		0.28	0.13	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Magnesium</b>	<b>21000</b>		5.6	2.8	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Manganese</b>	<b>310</b>	<b>B</b>	0.56	0.082	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Nickel</b>	<b>36</b>		0.56	0.16	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Potassium</b>	<b>2900</b>		28	10	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Selenium</b>	<b>0.56</b>		0.56	0.33	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Silver</b>	<b>2.5</b>		0.28	0.073	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Sodium</b>	<b>450</b>		56	8.3	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Thallium</b>	<b>1.1</b>		0.56	0.28	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Vanadium</b>	<b>18</b>		0.28	0.066	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1
<b>Zinc</b>	<b>50</b>		1.1	0.49	mg/Kg	☼	10/17/19 17:32	10/18/19 18:51	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:01	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:41	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.019</b>		0.019	0.0064	mg/Kg	☼	10/16/19 11:55	10/17/19 07:15	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>8.4</b>		0.2	0.2	SU			10/15/19 17:45	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-83 (10-15)-101019**

**Lab Sample ID: 500-171581-6**

Date Collected: 10/10/19 01:50

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.1

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Acetone	<0.017		0.017	0.0072	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Bromoform	<0.0017		0.0017	0.00048	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Bromomethane	<0.0041		0.0041	0.0016	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Carbon disulfide	<0.0041		0.0041	0.00086	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Chloroethane	<0.0041 *		0.0041	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Chloroform	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Chloromethane	<0.0041		0.0041	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00046	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Ethylbenzene	<0.0017		0.0017	0.00079	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Tetrachloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00073	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Vinyl chloride	<0.0017		0.0017	0.00073	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	10/10/19 18:33	10/18/19 16:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	10/10/19 18:33	10/18/19 16:17	1
4-Bromofluorobenzene (Surr)	90		75 - 131	10/10/19 18:33	10/18/19 16:17	1
Dibromofluoromethane	101		75 - 126	10/10/19 18:33	10/18/19 16:17	1
Toluene-d8 (Surr)	96		75 - 124	10/10/19 18:33	10/18/19 16:17	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-83 (10-15)-101019**

**Lab Sample ID: 500-171581-6**

Date Collected: 10/10/19 01:50

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
<b>2-Methylnaphthalene</b>	<b>0.049</b>	<b>J</b>	0.082	0.0074	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.32	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
4-Nitrophenol	<0.82		0.82	0.38	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
<b>Acenaphthene</b>	<b>0.021</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
<b>Anthracene</b>	<b>0.019</b>	<b>J</b>	0.040	0.0068	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
<b>Benzo[a]anthracene</b>	<b>0.035</b>	<b>J</b>	0.040	0.0054	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
<b>Benzo[a]pyrene</b>	<b>0.039</b>	<b>J</b>	0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
<b>Benzo[b]fluoranthene</b>	<b>0.038</b>	<b>J</b>	0.040	0.0087	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
<b>Benzo[g,h,i]perylene</b>	<b>0.026</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
<b>Benzo[k]fluoranthene</b>	<b>0.020</b>	<b>J</b>	0.040	0.012	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
<b>Chrysene</b>	<b>0.062</b>		0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
<b>Fluoranthene</b>	<b>0.062</b>		0.040	0.0075	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
<b>Fluorene</b>	<b>0.017</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-83 (10-15)-101019**

**Lab Sample ID: 500-171581-6**

Date Collected: 10/10/19 01:50

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.013</b>	<b>J</b>	0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.049	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
<b>Phenanthrene</b>	<b>0.20</b>		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
<b>Pyrene</b>	<b>0.098</b>		0.040	0.0080	mg/Kg	☼	10/18/19 07:37	10/18/19 23:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	65		31 - 143				10/18/19 07:37	10/18/19 23:41	1
2-Fluorobiphenyl	72		43 - 145				10/18/19 07:37	10/18/19 23:41	1
2-Fluorophenol	75		31 - 166				10/18/19 07:37	10/18/19 23:41	1
Nitrobenzene-d5	77		37 - 147				10/18/19 07:37	10/18/19 23:41	1
Phenol-d5	71		30 - 153				10/18/19 07:37	10/18/19 23:41	1
Terphenyl-d14	92		42 - 157				10/18/19 07:37	10/18/19 23:41	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 14:44	10/19/19 00:55	1
<b>Barium</b>	<b>0.68</b>		0.50	0.050	mg/L		10/17/19 14:44	10/19/19 00:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:44	10/19/19 00:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:44	10/19/19 00:55	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 00:55	1
<b>Cobalt</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 14:44	10/19/19 00:55	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 00:55	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 14:44	10/19/19 00:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:44	10/19/19 00:55	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 00:55	1
<b>Nickel</b>	<b>0.036</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 00:55	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:44	10/19/19 00:55	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 00:55	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:44	10/19/19 00:55	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 14:42	10/18/19 19:43	1
Barium	<0.50		0.50	0.050	mg/L		10/17/19 14:42	10/18/19 19:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:42	10/18/19 19:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:42	10/18/19 19:43	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:43	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:43	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:43	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 14:42	10/18/19 19:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:42	10/18/19 19:43	1
<b>Manganese</b>	<b>0.027</b>		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:43	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:43	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:42	10/18/19 19:43	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-83 (10-15)-101019**

**Lab Sample ID: 500-171581-6**

Date Collected: 10/10/19 01:50

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.1

**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		10/17/19 14:42	10/18/19 19:43	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:42	10/18/19 19:43	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.51	J B	1.1	0.22	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Arsenic	8.2		0.57	0.19	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Barium	32		0.57	0.065	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Beryllium	0.69		0.23	0.053	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Cadmium	0.14	B	0.11	0.020	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Calcium	62000	B	110	19	mg/Kg	☼	10/17/19 17:32	10/20/19 20:47	10
Chromium	14		0.57	0.28	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Cobalt	14		0.28	0.074	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Copper	30		0.57	0.16	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Iron	20000	B	11	5.9	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Lead	14		0.28	0.13	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Magnesium	26000		5.7	2.8	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Manganese	370	B	0.57	0.082	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Nickel	35		0.57	0.17	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Potassium	2800		28	10	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Silver	2.3		0.28	0.073	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Sodium	200		57	8.4	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Thallium	0.85		0.57	0.28	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Vanadium	17		0.28	0.067	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1
Zinc	52		1.1	0.50	mg/Kg	☼	10/17/19 17:32	10/18/19 18:55	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:02	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:43	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.020	0.0065	mg/Kg	☼	10/16/19 11:55	10/17/19 07:17	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			10/15/19 17:48	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-83 (16-22)-101019**

**Lab Sample ID: 500-171581-7**

Date Collected: 10/10/19 01:55

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.2

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Chloroethane	<0.0043 *		0.0043	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	10/10/19 18:33	10/18/19 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	10/10/19 18:33	10/18/19 16:44	1
4-Bromofluorobenzene (Surr)	90		75 - 131	10/10/19 18:33	10/18/19 16:44	1
Dibromofluoromethane	101		75 - 126	10/10/19 18:33	10/18/19 16:44	1
Toluene-d8 (Surr)	96		75 - 124	10/10/19 18:33	10/18/19 16:44	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-83 (16-22)-101019**

**Lab Sample ID: 500-171581-7**

Date Collected: 10/10/19 01:55

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.2

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>2-Methylnaphthalene</b>	<b>0.044</b>	<b>J</b>	0.079	0.0072	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Acenaphthene</b>	<b>0.012</b>	<b>J</b>	0.039	0.0071	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Chrysene</b>	<b>0.030</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Fluorene</b>	<b>0.011</b>	<b>J</b>	0.039	0.0055	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-83 (16-22)-101019**

**Lab Sample ID: 500-171581-7**

Date Collected: 10/10/19 01:55

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.2

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Phenanthrene</b>	<b>0.12</b>		0.039	0.0055	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Pyrene</b>	<b>0.022</b>	<b>J</b>	0.039	0.0078	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	69		31 - 143	10/18/19 07:37	10/19/19 00:05	1
2-Fluorobiphenyl	82		43 - 145	10/18/19 07:37	10/19/19 00:05	1
2-Fluorophenol	82		31 - 166	10/18/19 07:37	10/19/19 00:05	1
Nitrobenzene-d5	84		37 - 147	10/18/19 07:37	10/19/19 00:05	1
Phenol-d5	80		30 - 153	10/18/19 07:37	10/19/19 00:05	1
Terphenyl-d14	98		42 - 157	10/18/19 07:37	10/19/19 00:05	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 14:44	10/19/19 01:00	1
<b>Barium</b>	<b>0.70</b>		0.50	0.050	mg/L		10/17/19 14:44	10/19/19 01:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:44	10/19/19 01:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:44	10/19/19 01:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:00	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:00	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:00	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 14:44	10/19/19 01:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:44	10/19/19 01:00	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:00	1
<b>Nickel</b>	<b>0.028</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:44	10/19/19 01:00	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:00	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:44	10/19/19 01:00	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 14:42	10/18/19 19:47	1
<b>Barium</b>	<b>0.058</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 14:42	10/18/19 19:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:42	10/18/19 19:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:42	10/18/19 19:47	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:47	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:47	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:47	1
<b>Iron</b>	<b>1.3</b>		0.40	0.20	mg/L		10/17/19 14:42	10/18/19 19:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:42	10/18/19 19:47	1
<b>Manganese</b>	<b>0.026</b>		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:47	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:47	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:42	10/18/19 19:47	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-83 (16-22)-101019**

**Lab Sample ID: 500-171581-7**

Date Collected: 10/10/19 01:55

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.2

**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		10/17/19 14:42	10/18/19 19:47	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:42	10/18/19 19:47	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.58	J B	1.2	0.24	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Arsenic	7.4		0.61	0.21	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Barium	38		0.61	0.070	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Beryllium	0.65		0.24	0.057	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Cadmium	0.11	J B	0.12	0.022	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Calcium	53000	B	120	21	mg/Kg	☼	10/17/19 17:32	10/20/19 20:51	10
Chromium	16		0.61	0.30	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Cobalt	13		0.31	0.080	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Copper	31		0.61	0.17	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Iron	21000	B	12	6.4	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Lead	13		0.31	0.14	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Magnesium	22000		6.1	3.0	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Manganese	330	B	0.61	0.089	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Nickel	35		0.61	0.18	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Potassium	2800		31	11	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Selenium	<0.61		0.61	0.36	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Silver	2.5		0.31	0.079	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Sodium	180		61	9.0	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Thallium	0.87		0.61	0.31	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Vanadium	19		0.31	0.072	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1
Zinc	49		1.2	0.54	mg/Kg	☼	10/17/19 17:32	10/18/19 18:59	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:04	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:44	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	J	0.020	0.0068	mg/Kg	☼	10/16/19 11:55	10/17/19 07:19	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/15/19 17:52	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-83 (22-30)-101019**

**Lab Sample ID: 500-171581-8**

**Date Collected: 10/10/19 02:00**

**Matrix: Solid**

**Date Received: 10/10/19 15:27**

**Percent Solids: 80.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Acetone	<0.018		0.018	0.0078	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Chloroethane	<0.0045 *		0.0045	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	10/10/19 18:33	10/18/19 17:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	10/10/19 18:33	10/18/19 17:09	1
4-Bromofluorobenzene (Surr)	89		75 - 131	10/10/19 18:33	10/18/19 17:09	1
Dibromofluoromethane	97		75 - 126	10/10/19 18:33	10/18/19 17:09	1
Toluene-d8 (Surr)	97		75 - 124	10/10/19 18:33	10/18/19 17:09	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-83 (22-30)-101019**

**Lab Sample ID: 500-171581-8**

Date Collected: 10/10/19 02:00

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.9

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
<b>2-Methylnaphthalene</b>	<b>0.045</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
<b>Acenaphthene</b>	<b>0.013</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
<b>Benzo[g,h,i]perylene</b>	<b>0.021</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
<b>Chrysene</b>	<b>0.034</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Hexachlorobenzene	<0.081		0.081	0.0094	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-83 (22-30)-101019**

**Lab Sample ID: 500-171581-8**

Date Collected: 10/10/19 02:00

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.9

**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	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
<b>Phenanthrene</b>	<b>0.14</b>		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1
<b>Pyrene</b>	<b>0.027</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/18/19 07:37	10/19/19 00:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	53		31 - 143	10/18/19 07:37	10/19/19 00:29	1
2-Fluorobiphenyl	73		43 - 145	10/18/19 07:37	10/19/19 00:29	1
2-Fluorophenol	71		31 - 166	10/18/19 07:37	10/19/19 00:29	1
Nitrobenzene-d5	70		37 - 147	10/18/19 07:37	10/19/19 00:29	1
Phenol-d5	75		30 - 153	10/18/19 07:37	10/19/19 00:29	1
Terphenyl-d14	95		42 - 157	10/18/19 07:37	10/19/19 00:29	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 14:44	10/19/19 01:04	1
<b>Barium</b>	<b>0.73</b>		0.50	0.050	mg/L		10/17/19 14:44	10/19/19 01:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:44	10/19/19 01:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:44	10/19/19 01:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:04	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:04	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:04	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 14:44	10/19/19 01:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:44	10/19/19 01:04	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:04	1
<b>Nickel</b>	<b>0.028</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:44	10/19/19 01:04	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:04	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:44	10/19/19 01:04	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 14:42	10/18/19 19:51	1
<b>Barium</b>	<b>0.067</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 14:42	10/18/19 19:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:42	10/18/19 19:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:42	10/18/19 19:51	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:51	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:51	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:51	1
<b>Iron</b>	<b>2.5</b>		0.40	0.20	mg/L		10/17/19 14:42	10/18/19 19:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:42	10/18/19 19:51	1
<b>Manganese</b>	<b>0.034</b>		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:51	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:51	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:42	10/18/19 19:51	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-83 (22-30)-101019**

**Lab Sample ID: 500-171581-8**

Date Collected: 10/10/19 02:00

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.9

**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		10/17/19 14:42	10/18/19 19:51	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:42	10/18/19 19:51	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.42	J B	1.2	0.23	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Arsenic	7.4		0.59	0.20	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Barium	36		0.59	0.067	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Beryllium	0.63		0.24	0.055	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Cadmium	0.13	B	0.12	0.021	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Calcium	64000	B	120	20	mg/Kg	☼	10/17/19 17:32	10/20/19 20:55	10
Chromium	15		0.59	0.29	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Cobalt	13		0.29	0.077	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Copper	27		0.59	0.16	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Iron	20000	B	12	6.1	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Lead	13		0.29	0.14	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Magnesium	23000		5.9	2.9	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Manganese	320	B	0.59	0.085	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Nickel	33		0.59	0.17	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Potassium	2600		29	10	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Silver	2.3		0.29	0.076	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Sodium	180		59	8.7	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Thallium	0.86		0.59	0.29	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Vanadium	17		0.29	0.069	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1
Zinc	53		1.2	0.52	mg/Kg	☼	10/17/19 17:32	10/18/19 19:03	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:09	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020	F1	0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:46	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.020	0.0068	mg/Kg	☼	10/16/19 11:55	10/17/19 07:26	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/15/19 17:56	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-84 (13-16)-101019**

**Lab Sample ID: 500-171581-9**

Date Collected: 10/10/19 02:05

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.3

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00079	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
<b>Acetone</b>	<b>0.018</b>		0.018	0.0080	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Carbon disulfide	<0.0046		0.0046	0.00095	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Chlorobenzene	<0.0018		0.0018	0.00068	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Chloroethane	<0.0046 *		0.0046	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Chloroform	<0.0018		0.0018	0.00064	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Chloromethane	<0.0046		0.0046	0.0018	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0020	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	10/10/19 18:33	10/18/19 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/10/19 18:33	10/18/19 17:35	1
4-Bromofluorobenzene (Surr)	92		75 - 131	10/10/19 18:33	10/18/19 17:35	1
Dibromofluoromethane	101		75 - 126	10/10/19 18:33	10/18/19 17:35	1
Toluene-d8 (Surr)	94		75 - 124	10/10/19 18:33	10/18/19 17:35	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-84 (13-16)-101019**

**Lab Sample ID: 500-171581-9**

Date Collected: 10/10/19 02:05

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
<b>2-Methylnaphthalene</b>	<b>0.047</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
<b>Benzo[g,h,i]perylene</b>	<b>0.014</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
<b>Chrysene</b>	<b>0.035</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-84 (13-16)-101019**

**Lab Sample ID: 500-171581-9**

Date Collected: 10/10/19 02:05

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
<b>Phenanthrene</b>	<b>0.16</b>		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1
<b>Pyrene</b>	<b>0.029</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/18/19 07:37	10/19/19 00:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	56		31 - 143	10/18/19 07:37	10/19/19 00:52	1
2-Fluorobiphenyl	69		43 - 145	10/18/19 07:37	10/19/19 00:52	1
2-Fluorophenol	67		31 - 166	10/18/19 07:37	10/19/19 00:52	1
Nitrobenzene-d5	68		37 - 147	10/18/19 07:37	10/19/19 00:52	1
Phenol-d5	64		30 - 153	10/18/19 07:37	10/19/19 00:52	1
Terphenyl-d14	95		42 - 157	10/18/19 07:37	10/19/19 00:52	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		10/17/19 14:44	10/19/19 01:08	1
<b>Barium</b>	<b>0.66</b>		0.50	0.050	mg/L		10/17/19 14:44	10/19/19 01:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:44	10/19/19 01:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:44	10/19/19 01:08	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:08	1
<b>Cobalt</b>	<b>0.022</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:08	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:08	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 14:44	10/19/19 01:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:44	10/19/19 01:08	1
<b>Manganese</b>	<b>2.0</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:08	1
<b>Nickel</b>	<b>0.055</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:08	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:44	10/19/19 01:08	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:08	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:44	10/19/19 01:08	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.018</b>	<b>J</b>	0.050	0.010	mg/L		10/17/19 14:42	10/18/19 19:56	1
<b>Barium</b>	<b>0.35</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 14:42	10/18/19 19:56	1
<b>Beryllium</b>	<b>0.0052</b>		0.0040	0.0040	mg/L		10/17/19 14:42	10/18/19 19:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:42	10/18/19 19:56	1
<b>Chromium</b>	<b>0.11</b>		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:56	1
<b>Cobalt</b>	<b>0.036</b>		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:56	1
<b>Copper</b>	<b>0.065</b>		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:56	1
<b>Iron</b>	<b>51</b>		0.40	0.20	mg/L		10/17/19 14:42	10/18/19 19:56	1
<b>Lead</b>	<b>0.033</b>		0.0075	0.0075	mg/L		10/17/19 14:42	10/18/19 19:56	1
<b>Manganese</b>	<b>0.52</b>		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:56	1
<b>Nickel</b>	<b>0.092</b>		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:56	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:42	10/18/19 19:56	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-84 (13-16)-101019**

**Lab Sample ID: 500-171581-9**

Date Collected: 10/10/19 02:05

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.3

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 19:56	1
Zinc	0.11	J	0.50	0.020	mg/L		10/17/19 14:42	10/18/19 19:56	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.49	J B	1.2	0.24	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Arsenic	7.6		0.62	0.21	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Barium	38		0.62	0.071	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Beryllium	0.72		0.25	0.058	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Cadmium	0.14	B	0.12	0.022	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Calcium	48000	B	120	21	mg/Kg	☼	10/17/19 17:32	10/20/19 20:59	10
Chromium	16		0.62	0.31	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Cobalt	15		0.31	0.081	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Copper	32		0.62	0.17	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Iron	19000	B	12	6.4	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Lead	15		0.31	0.14	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Magnesium	20000		6.2	3.1	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Manganese	310	B	0.62	0.090	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Nickel	37		0.62	0.18	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Potassium	3200		31	11	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Selenium	0.60	J	0.62	0.36	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Silver	2.5		0.31	0.080	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Sodium	2400		62	9.2	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Thallium	0.96		0.62	0.31	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Vanadium	19		0.31	0.073	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1
Zinc	69		1.2	0.54	mg/Kg	☼	10/17/19 17:32	10/18/19 19:07	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:11	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		10/17/19 11:20	10/18/19 10:51	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.0065	mg/Kg	☼	10/16/19 11:55	10/17/19 07:28	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/15/19 18:00	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-84 (16-22)-101019**

**Lab Sample ID: 500-171581-10**

Date Collected: 10/10/19 02:35

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00062	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00059	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00080	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
1,1-Dichloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
1,2-Dichloropropane	<0.0019		0.0019	0.00048	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00065	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Acetone	<0.019		0.019	0.0081	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Benzene	<0.0019		0.0019	0.00047	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Bromoform	<0.0019		0.0019	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Bromomethane	<0.0046		0.0046	0.0018	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Carbon disulfide	<0.0046		0.0046	0.00097	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Chlorobenzene	<0.0019		0.0019	0.00069	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Chloroethane	<0.0046 *		0.0046	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Chloroform	<0.0019		0.0019	0.00064	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Chloromethane	<0.0046		0.0046	0.0019	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Ethylbenzene	<0.0019		0.0019	0.00089	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0021	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Styrene	<0.0019		0.0019	0.00056	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Tetrachloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Toluene	<0.0019		0.0019	0.00047	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00082	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Vinyl chloride	<0.0019		0.0019	0.00082	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	10/10/19 18:33	10/18/19 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/10/19 18:33	10/18/19 18:01	1
4-Bromofluorobenzene (Surr)	90		75 - 131	10/10/19 18:33	10/18/19 18:01	1
Dibromofluoromethane	101		75 - 126	10/10/19 18:33	10/18/19 18:01	1
Toluene-d8 (Surr)	96		75 - 124	10/10/19 18:33	10/18/19 18:01	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-84 (16-22)-101019**

**Lab Sample ID: 500-171581-10**

Date Collected: 10/10/19 02:35

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
2,4-Dinitrophenol	<0.81		0.81	0.70	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
<b>2-Methylnaphthalene</b>	<b>0.051</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
<b>Benzo[g,h,i]perylene</b>	<b>0.015</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
<b>Chrysene</b>	<b>0.034</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
<b>Fluorene</b>	<b>0.0091</b>	<b>J</b>	0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-84 (16-22)-101019**

**Lab Sample ID: 500-171581-10**

Date Collected: 10/10/19 02:35

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
<b>Phenanthrene</b>	<b>0.14</b>		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	10/18/19 07:37	10/19/19 01:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	57		31 - 143				10/18/19 07:37	10/19/19 01:16	1
2-Fluorobiphenyl	77		43 - 145				10/18/19 07:37	10/19/19 01:16	1
2-Fluorophenol	76		31 - 166				10/18/19 07:37	10/19/19 01:16	1
Nitrobenzene-d5	79		37 - 147				10/18/19 07:37	10/19/19 01:16	1
Phenol-d5	74		30 - 153				10/18/19 07:37	10/19/19 01:16	1
Terphenyl-d14	92		42 - 157				10/18/19 07:37	10/19/19 01:16	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		10/17/19 14:44	10/19/19 01:13	1
<b>Barium</b>	<b>0.65</b>		0.50	0.050	mg/L		10/17/19 14:44	10/19/19 01:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:44	10/19/19 01:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:44	10/19/19 01:13	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:13	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:13	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:13	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 14:44	10/19/19 01:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:44	10/19/19 01:13	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:13	1
<b>Nickel</b>	<b>0.034</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:13	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:44	10/19/19 01:13	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:13	1
<b>Zinc</b>	<b>0.059</b>	<b>J</b>	0.50	0.020	mg/L		10/17/19 14:44	10/19/19 01:13	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 14:42	10/18/19 20:00	1
<b>Barium</b>	<b>0.050</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 14:42	10/18/19 20:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:42	10/18/19 20:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:42	10/18/19 20:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:00	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:00	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:00	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 14:42	10/18/19 20:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:42	10/18/19 20:00	1
<b>Manganese</b>	<b>0.028</b>		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:00	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:42	10/18/19 20:00	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-84 (16-22)-101019**

**Lab Sample ID: 500-171581-10**

Date Collected: 10/10/19 02:35

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.1

**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		10/17/19 14:42	10/18/19 20:00	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:42	10/18/19 20:00	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.49	J B	1.1	0.22	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Arsenic	7.7		0.56	0.19	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Barium	35		0.56	0.064	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Beryllium	0.69		0.23	0.053	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Cadmium	0.13	B	0.11	0.020	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Calcium	51000	B	110	19	mg/Kg	☼	10/17/19 17:32	10/20/19 21:03	10
Chromium	15		0.56	0.28	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Cobalt	15		0.28	0.074	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Copper	31		0.56	0.16	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Iron	20000	B	11	5.9	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Lead	14		0.28	0.13	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Magnesium	21000		5.6	2.8	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Manganese	330	B	0.56	0.082	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Nickel	36		0.56	0.16	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Potassium	2600		28	10	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Silver	2.3		0.28	0.073	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Sodium	620		56	8.3	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Thallium	0.73		0.56	0.28	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Vanadium	17		0.28	0.067	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1
Zinc	53		1.1	0.50	mg/Kg	☼	10/17/19 17:32	10/18/19 19:11	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:16	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:56	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.019	0.0063	mg/Kg	☼	10/16/19 11:55	10/17/19 07:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			10/15/19 18:04	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-84 (22-27)-101019**

**Lab Sample ID: 500-171581-11**

Date Collected: 10/10/19 02:45

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.0

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
1,2-Dichloroethane	<0.0043		0.0043	0.0014	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
2-Hexanone	<0.0043		0.0043	0.0014	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
<b>Acetone</b>	<b>0.0077</b>	<b>J</b>	0.017	0.0075	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Chloroethane	<0.0043	*	0.0043	0.0013	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1
Xylenes, Total	<0.0035		0.0035	0.00055	mg/Kg	☼	10/10/19 18:33	10/19/19 11:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/10/19 18:33	10/19/19 11:08	1
4-Bromofluorobenzene (Surr)	90		75 - 131	10/10/19 18:33	10/19/19 11:08	1
Dibromofluoromethane	100		75 - 126	10/10/19 18:33	10/19/19 11:08	1
Toluene-d8 (Surr)	97		75 - 124	10/10/19 18:33	10/19/19 11:08	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-84 (22-27)-101019**

**Lab Sample ID: 500-171581-11**

Date Collected: 10/10/19 02:45

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.0

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
<b>2-Methylnaphthalene</b>	<b>0.049</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
<b>Chrysene</b>	<b>0.026</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-84 (22-27)-101019**

**Lab Sample ID: 500-171581-11**

Date Collected: 10/10/19 02:45

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.0

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
<b>Phenanthrene</b>	<b>0.12</b>		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	10/18/19 07:37	10/19/19 01:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	60		31 - 143	10/18/19 07:37	10/19/19 01:40	1
2-Fluorobiphenyl	81		43 - 145	10/18/19 07:37	10/19/19 01:40	1
2-Fluorophenol	86		31 - 166	10/18/19 07:37	10/19/19 01:40	1
Nitrobenzene-d5	76		37 - 147	10/18/19 07:37	10/19/19 01:40	1
Phenol-d5	84		30 - 153	10/18/19 07:37	10/19/19 01:40	1
Terphenyl-d14	144		42 - 157	10/18/19 07:37	10/19/19 01:40	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 14:44	10/19/19 01:17	1
<b>Barium</b>	<b>0.67</b>		0.50	0.050	mg/L		10/17/19 14:44	10/19/19 01:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:44	10/19/19 01:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:44	10/19/19 01:17	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:17	1
<b>Cobalt</b>	<b>0.014 J</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:17	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:17	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 14:44	10/19/19 01:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:44	10/19/19 01:17	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:17	1
<b>Nickel</b>	<b>0.038</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:17	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:44	10/19/19 01:17	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:17	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:44	10/19/19 01:17	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 14:42	10/18/19 20:04	1
<b>Barium</b>	<b>0.066 J</b>		0.50	0.050	mg/L		10/17/19 14:42	10/18/19 20:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:42	10/18/19 20:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:42	10/18/19 20:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:04	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:04	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:04	1
<b>Iron</b>	<b>0.63</b>		0.40	0.20	mg/L		10/17/19 14:42	10/18/19 20:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:42	10/18/19 20:04	1
<b>Manganese</b>	<b>0.033</b>		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:04	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:42	10/18/19 20:04	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-84 (22-27)-101019**

**Lab Sample ID: 500-171581-11**

Date Collected: 10/10/19 02:45

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.0

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:04	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:42	10/18/19 20:04	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.53	J B	1.2	0.24	mg/Kg	☼	10/17/19 17:32	10/21/19 10:50	1
Arsenic	7.2		0.62	0.21	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Barium	37		0.62	0.070	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Beryllium	0.62		0.25	0.057	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Cadmium	0.15	B	0.12	0.022	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Calcium	57000	B	120	21	mg/Kg	☼	10/17/19 17:32	10/20/19 21:16	10
Chromium	15		0.62	0.30	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Cobalt	13		0.31	0.081	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Copper	29		0.62	0.17	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Iron	19000	B	12	6.4	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Lead	13		0.31	0.14	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Magnesium	24000		6.2	3.1	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Manganese	340	B	0.62	0.089	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Nickel	34		0.62	0.18	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Potassium	2900		31	11	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Selenium	<0.62		0.62	0.36	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Silver	2.4		0.31	0.079	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Sodium	690		62	9.1	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Thallium	0.67		0.62	0.31	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Vanadium	18		0.31	0.073	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1
Zinc	58		1.2	0.54	mg/Kg	☼	10/17/19 17:32	10/18/19 19:28	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:18	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:58	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.019	0.0063	mg/Kg	☼	10/16/19 11:55	10/17/19 07:39	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/15/19 18:08	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-84 (22-27)-101019D**

**Lab Sample ID: 500-171581-12**

Date Collected: 10/10/19 02:45

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
<b>Acetone</b>	<b>0.0075</b>	<b>J</b>	0.017	0.0072	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Bromoform	<0.0017		0.0017	0.00048	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Bromomethane	<0.0041		0.0041	0.0016	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Carbon disulfide	<0.0041		0.0041	0.00086	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Chloroethane	<0.0041	*	0.0041	0.0012	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Chloromethane	<0.0041		0.0041	0.0017	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00046	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Ethylbenzene	<0.0017		0.0017	0.00079	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Tetrachloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00073	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Vinyl chloride	<0.0017		0.0017	0.00073	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	10/10/19 18:33	10/19/19 11:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	10/10/19 18:33	10/19/19 11:33	1
4-Bromofluorobenzene (Surr)	92		75 - 131	10/10/19 18:33	10/19/19 11:33	1
Dibromofluoromethane	99		75 - 126	10/10/19 18:33	10/19/19 11:33	1
Toluene-d8 (Surr)	96		75 - 124	10/10/19 18:33	10/19/19 11:33	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-84 (22-27)-101019D**

**Lab Sample ID: 500-171581-12**

Date Collected: 10/10/19 02:45

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.091	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
<b>2-Methylnaphthalene</b>	<b>0.052</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
4-Chloro-3-methylphenol	<0.39		0.39	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
<b>Acenaphthene</b>	<b>0.016</b>	<b>J</b>	0.039	0.0071	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Benzo[b]fluoranthene	<0.039		0.039	0.0086	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
<b>Chrysene</b>	<b>0.033</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Fluoranthene	<0.039		0.039	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-84 (22-27)-101019D**

**Lab Sample ID: 500-171581-12**

Date Collected: 10/10/19 02:45

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
<b>Phenanthrene</b>	<b>0.15</b>		0.039	0.0055	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1
<b>Pyrene</b>	<b>0.029</b>	<b>J</b>	0.039	0.0079	mg/Kg	☼	10/18/19 07:37	10/19/19 02:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	72		31 - 143	10/18/19 07:37	10/19/19 02:03	1
2-Fluorobiphenyl	81		43 - 145	10/18/19 07:37	10/19/19 02:03	1
2-Fluorophenol	79		31 - 166	10/18/19 07:37	10/19/19 02:03	1
Nitrobenzene-d5	81		37 - 147	10/18/19 07:37	10/19/19 02:03	1
Phenol-d5	82		30 - 153	10/18/19 07:37	10/19/19 02:03	1
Terphenyl-d14	107		42 - 157	10/18/19 07:37	10/19/19 02:03	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 14:44	10/19/19 01:29	1
<b>Barium</b>	<b>0.68</b>		0.50	0.050	mg/L		10/17/19 14:44	10/19/19 01:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:44	10/19/19 01:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:44	10/19/19 01:29	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:29	1
<b>Cobalt</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:29	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:29	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 14:44	10/19/19 01:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:44	10/19/19 01:29	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:29	1
<b>Nickel</b>	<b>0.040</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:29	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:44	10/19/19 01:29	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:29	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:44	10/19/19 01:29	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 14:42	10/18/19 20:08	1
<b>Barium</b>	<b>0.055</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 14:42	10/18/19 20:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:42	10/18/19 20:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:42	10/18/19 20:08	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:08	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:08	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:08	1
<b>Iron</b>	<b>0.27</b>	<b>J</b>	0.40	0.20	mg/L		10/17/19 14:42	10/18/19 20:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:42	10/18/19 20:08	1
<b>Manganese</b>	<b>0.027</b>		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:08	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:08	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:42	10/18/19 20:08	1

Eurolins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-84 (22-27)-101019D**

**Lab Sample ID: 500-171581-12**

Date Collected: 10/10/19 02:45

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 81.1

**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		10/17/19 14:42	10/18/19 20:08	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:42	10/18/19 20:08	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.60	J B	1.2	0.24	mg/Kg	☼	10/17/19 17:32	10/21/19 10:54	1
Arsenic	8.3		0.61	0.21	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Barium	36		0.61	0.070	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Beryllium	0.62		0.24	0.057	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Cadmium	0.16	B	0.12	0.022	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Calcium	60000	B	120	21	mg/Kg	☼	10/17/19 17:32	10/20/19 21:20	10
Chromium	15		0.61	0.30	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Cobalt	14		0.31	0.080	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Copper	31		0.61	0.17	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Iron	21000	B	12	6.4	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Lead	14		0.31	0.14	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Magnesium	25000		6.1	3.0	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Manganese	370	B	0.61	0.089	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Nickel	34		0.61	0.18	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Potassium	2700		31	11	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Selenium	0.38	J	0.61	0.36	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Silver	2.3		0.31	0.079	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Sodium	350		61	9.0	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Thallium	0.89		0.61	0.31	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Vanadium	18		0.31	0.072	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1
Zinc	52		1.2	0.54	mg/Kg	☼	10/17/19 17:32	10/18/19 19:32	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:19	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 11:00	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.020	0.0068	mg/Kg	☼	10/16/19 11:55	10/17/19 07:41	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.5		0.2	0.2	SU			10/15/19 18:16	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-85 (12-16)-101019**

**Lab Sample ID: 500-171581-13**

Date Collected: 10/10/19 03:20

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00075	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
1,1-Dichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
1,2-Dichloropropane	<0.0018		0.0018	0.00045	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00061	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Acetone	<0.018		0.018	0.0076	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Bromoform	<0.0018		0.0018	0.00051	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Chloroethane	<0.0044 *		0.0044	0.0013	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Dibromochloromethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Ethylbenzene	<0.0018		0.0018	0.00084	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00051	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Toluene	<0.0018		0.0018	0.00044	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Trichloroethene	<0.0018		0.0018	0.00059	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Vinyl chloride	<0.0018		0.0018	0.00077	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/10/19 18:33	10/19/19 11:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	10/10/19 18:33	10/19/19 11:59	1
4-Bromofluorobenzene (Surr)	93		75 - 131	10/10/19 18:33	10/19/19 11:59	1
Dibromofluoromethane	103		75 - 126	10/10/19 18:33	10/19/19 11:59	1
Toluene-d8 (Surr)	96		75 - 124	10/10/19 18:33	10/19/19 11:59	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-85 (12-16)-101019**

**Lab Sample ID: 500-171581-13**

Date Collected: 10/10/19 03:20

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.093	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
2-Methylnaphthalene	<0.083		0.083	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
<b>Acenaphthene</b>	<b>0.019</b>	<b>J</b>	0.041	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Anthracene	<0.041		0.041	0.0068	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Benzo[a]pyrene	<0.041		0.041	0.0079	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Benzo[b]fluoranthene	<0.041		0.041	0.0088	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
<b>Benzo[g,h,i]perylene</b>	<b>0.017</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
<b>Chrysene</b>	<b>0.035</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
<b>Fluorene</b>	<b>0.010</b>	<b>J</b>	0.041	0.0058	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-85 (12-16)-101019**

**Lab Sample ID: 500-171581-13**

Date Collected: 10/10/19 03:20

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
<b>Phenanthrene</b>	<b>0.14</b>		0.041	0.0057	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Pyrene	<0.041		0.041	0.0081	mg/Kg	☼	10/18/19 07:37	10/19/19 02:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		31 - 143				10/18/19 07:37	10/19/19 02:27	1
2-Fluorobiphenyl	82		43 - 145				10/18/19 07:37	10/19/19 02:27	1
2-Fluorophenol	80		31 - 166				10/18/19 07:37	10/19/19 02:27	1
Nitrobenzene-d5	81		37 - 147				10/18/19 07:37	10/19/19 02:27	1
Phenol-d5	78		30 - 153				10/18/19 07:37	10/19/19 02:27	1
Terphenyl-d14	147		42 - 157				10/18/19 07:37	10/19/19 02:27	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		10/17/19 14:44	10/19/19 01:34	1
<b>Barium</b>	<b>0.23</b>	<b>J</b>	0.50	0.050	mg/L		10/17/19 14:44	10/19/19 01:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:44	10/19/19 01:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:44	10/19/19 01:34	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:34	1
<b>Cobalt</b>	<b>0.059</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:34	1
<b>Copper</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:34	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 14:44	10/19/19 01:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:44	10/19/19 01:34	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:34	1
<b>Nickel</b>	<b>0.14</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:34	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:44	10/19/19 01:34	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:34	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:44	10/19/19 01:34	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 14:42	10/18/19 20:21	1
Barium	<0.50		0.50	0.050	mg/L		10/17/19 14:42	10/18/19 20:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:42	10/18/19 20:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:42	10/18/19 20:21	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:21	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:21	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:21	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 14:42	10/18/19 20:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:42	10/18/19 20:21	1
<b>Manganese</b>	<b>0.023</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:21	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:21	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:42	10/18/19 20:21	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-85 (12-16)-101019**

**Lab Sample ID: 500-171581-13**

Date Collected: 10/10/19 03:20

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.1

**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		10/17/19 14:42	10/18/19 20:21	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:42	10/18/19 20:21	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.32	J B	1.1	0.22	mg/Kg	☼	10/17/19 17:32	10/21/19 10:58	1
Arsenic	7.0		0.57	0.20	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Barium	33		0.57	0.065	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Beryllium	0.71		0.23	0.054	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Cadmium	0.15	B	0.11	0.021	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Calcium	43000	B	110	19	mg/Kg	☼	10/17/19 17:32	10/20/19 21:24	10
Chromium	16		0.57	0.28	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Cobalt	18		0.29	0.075	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Copper	35		0.57	0.16	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Iron	20000	B	11	6.0	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Lead	16		0.29	0.13	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Magnesium	19000		5.7	2.8	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Manganese	310	B	0.57	0.083	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Nickel	44		0.57	0.17	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Potassium	2900		29	10	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Selenium	0.59		0.57	0.34	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Silver	2.3		0.29	0.074	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Sodium	310		57	8.5	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Thallium	1.1		0.57	0.29	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Vanadium	18		0.29	0.068	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1
Zinc	58		1.1	0.50	mg/Kg	☼	10/17/19 17:32	10/18/19 19:36	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:21	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 11:01	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.020	0.0068	mg/Kg	☼	10/16/19 11:55	10/17/19 07:43	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/15/19 18:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-85 (16-22)-101019**

**Lab Sample ID: 500-171581-14**

Date Collected: 10/10/19 03:30

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 79.8

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
<b>Acetone</b>	<b>0.010</b>	<b>J</b>	0.017	0.0074	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Chloroethane	<0.0042	*	0.0042	0.0013	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/10/19 18:33	10/19/19 12:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/10/19 18:33	10/19/19 12:25	1
4-Bromofluorobenzene (Surr)	91		75 - 131	10/10/19 18:33	10/19/19 12:25	1
Dibromofluoromethane	101		75 - 126	10/10/19 18:33	10/19/19 12:25	1
Toluene-d8 (Surr)	97		75 - 124	10/10/19 18:33	10/19/19 12:25	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-85 (16-22)-101019**

**Lab Sample ID: 500-171581-14**

Date Collected: 10/10/19 03:30

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 79.8

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
2,4-Dichlorophenol	<0.40		0.40	0.097	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
<b>2-Methylnaphthalene</b>	<b>0.059</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
<b>Acenaphthene</b>	<b>0.021</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Benzo[a]pyrene	<0.040		0.040	0.0079	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
<b>Chrysene</b>	<b>0.043</b>		0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1

Eurolins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-85 (16-22)-101019**

**Lab Sample ID: 500-171581-14**

Date Collected: 10/10/19 03:30

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 79.8

**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	<0.040		0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Naphthalene	<0.040		0.040	0.0063	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
<b>Phenanthrene</b>	<b>0.17</b>		0.040	0.0057	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1
Pyrene	<0.040		0.040	0.0081	mg/Kg	☼	10/18/19 07:37	10/19/19 02:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63		31 - 143	10/18/19 07:37	10/19/19 02:51	1
2-Fluorobiphenyl	84		43 - 145	10/18/19 07:37	10/19/19 02:51	1
2-Fluorophenol	84		31 - 166	10/18/19 07:37	10/19/19 02:51	1
Nitrobenzene-d5	80		37 - 147	10/18/19 07:37	10/19/19 02:51	1
Phenol-d5	82		30 - 153	10/18/19 07:37	10/19/19 02:51	1
Terphenyl-d14	110		42 - 157	10/18/19 07:37	10/19/19 02:51	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 14:44	10/19/19 01:38	1
<b>Barium</b>	<b>0.59</b>		0.50	0.050	mg/L		10/17/19 14:44	10/19/19 01:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:44	10/19/19 01:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:44	10/19/19 01:38	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:38	1
<b>Cobalt</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:38	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:38	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 14:44	10/19/19 01:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:44	10/19/19 01:38	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:38	1
<b>Nickel</b>	<b>0.040</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:38	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:44	10/19/19 01:38	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:38	1
<b>Zinc</b>	<b>0.034</b>	<b>J</b>	0.50	0.020	mg/L		10/17/19 14:44	10/19/19 01:38	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		10/17/19 14:42	10/18/19 20:25	1
Barium	<0.50		0.50	0.050	mg/L		10/17/19 14:42	10/18/19 20:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:42	10/18/19 20:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:42	10/18/19 20:25	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:25	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:25	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:25	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 14:42	10/18/19 20:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:42	10/18/19 20:25	1
<b>Manganese</b>	<b>0.031</b>		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:25	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:25	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:42	10/18/19 20:25	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-85 (16-22)-101019**

**Lab Sample ID: 500-171581-14**

Date Collected: 10/10/19 03:30

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 79.8

**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		10/17/19 14:42	10/18/19 20:25	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:42	10/18/19 20:25	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J B	1.2	0.23	mg/Kg	☼	10/17/19 17:32	10/21/19 11:03	1
Arsenic	8.1		0.58	0.20	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Barium	34		0.58	0.066	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Beryllium	0.73		0.23	0.054	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Cadmium	0.16	B	0.12	0.021	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Calcium	44000	B	120	20	mg/Kg	☼	10/17/19 17:32	10/20/19 21:28	10
Chromium	16		0.58	0.29	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Cobalt	15		0.29	0.076	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Copper	32		0.58	0.16	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Iron	20000	B	12	6.0	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Lead	15		0.29	0.13	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Magnesium	20000		5.8	2.9	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Manganese	310	B	0.58	0.084	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Nickel	38		0.58	0.17	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Potassium	2800		29	10	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Silver	2.4		0.29	0.075	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Sodium	190		58	8.6	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Thallium	0.95		0.58	0.29	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Vanadium	19		0.29	0.068	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1
Zinc	54		1.2	0.51	mg/Kg	☼	10/17/19 17:32	10/18/19 19:40	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:22	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 11:03	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.019	0.0062	mg/Kg	☼	10/16/19 11:55	10/17/19 07:45	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.5		0.2	0.2	SU			10/15/19 18:28	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-85 (22-30)-101019**

**Lab Sample ID: 500-171581-15**

Date Collected: 10/10/19 03:50

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
<b>Acetone</b>	<b>0.012</b>	<b>J</b>	0.017	0.0076	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Benzene	<0.0017		0.0017	0.00045	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Bromodichloromethane	<0.0017		0.0017	0.00036	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Bromomethane	<0.0044		0.0044	0.0016	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Carbon tetrachloride	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Chloroethane	<0.0044	*	0.0044	0.0013	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Chloroform	<0.0017		0.0017	0.00061	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00053	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Ethylbenzene	<0.0017		0.0017	0.00084	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Styrene	<0.0017		0.0017	0.00053	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/10/19 18:33	10/19/19 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	10/10/19 18:33	10/19/19 12:51	1
4-Bromofluorobenzene (Surr)	92		75 - 131	10/10/19 18:33	10/19/19 12:51	1
Dibromofluoromethane	101		75 - 126	10/10/19 18:33	10/19/19 12:51	1
Toluene-d8 (Surr)	96		75 - 124	10/10/19 18:33	10/19/19 12:51	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-85 (22-30)-101019**

**Lab Sample ID: 500-171581-15**

Date Collected: 10/10/19 03:50

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
2,4-Dichlorophenol	<0.40		0.40	0.097	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
2-Chlorophenol	<0.20		0.20	0.070	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
<b>2-Methylnaphthalene</b>	<b>0.052</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
<b>Acenaphthene</b>	<b>0.015</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Benzo[a]pyrene	<0.040		0.040	0.0079	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.042	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Butyl benzyl phthalate	<0.20		0.20	0.078	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
<b>Chrysene</b>	<b>0.035</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Di-n-octyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Fluoranthene	<0.040		0.040	0.0076	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
<b>Fluorene</b>	<b>0.013</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-85 (22-30)-101019**

**Lab Sample ID: 500-171581-15**

Date Collected: 10/10/19 03:50

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
<b>Naphthalene</b>	<b>0.015</b>	<b>J</b>	0.040	0.0063	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
<b>Phenanthrene</b>	<b>0.14</b>		0.040	0.0057	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Phenol	<0.20		0.20	0.091	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1
Pyrene	<0.040		0.040	0.0081	mg/Kg	☼	10/18/19 07:37	10/19/19 03:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	57		31 - 143	10/18/19 07:37	10/19/19 03:14	1
2-Fluorobiphenyl	84		43 - 145	10/18/19 07:37	10/19/19 03:14	1
2-Fluorophenol	88		31 - 166	10/18/19 07:37	10/19/19 03:14	1
Nitrobenzene-d5	84		37 - 147	10/18/19 07:37	10/19/19 03:14	1
Phenol-d5	80		30 - 153	10/18/19 07:37	10/19/19 03:14	1
Terphenyl-d14	111		42 - 157	10/18/19 07:37	10/19/19 03:14	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 14:44	10/19/19 01:55	1
<b>Barium</b>	<b>0.68</b>		0.50	0.050	mg/L		10/17/19 14:44	10/19/19 01:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:44	10/19/19 01:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:44	10/19/19 01:55	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:55	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:55	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:55	1
Iron	<0.40		0.40	0.20	mg/L		10/17/19 14:44	10/19/19 01:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:44	10/19/19 01:55	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:55	1
<b>Nickel</b>	<b>0.025</b>		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:55	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:44	10/19/19 01:55	1
Silver	<0.025		0.025	0.010	mg/L		10/17/19 14:44	10/19/19 01:55	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:44	10/19/19 01:55	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/17/19 14:42	10/18/19 20:29	1
Barium	<0.50		0.50	0.050	mg/L		10/17/19 14:42	10/18/19 20:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/17/19 14:42	10/18/19 20:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/17/19 14:42	10/18/19 20:29	1
Chromium	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:29	1
Cobalt	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:29	1
Copper	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:29	1
<b>Iron</b>	<b>0.46</b>		0.40	0.20	mg/L		10/17/19 14:42	10/18/19 20:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/17/19 14:42	10/18/19 20:29	1
<b>Manganese</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:29	1
Nickel	<0.025		0.025	0.010	mg/L		10/17/19 14:42	10/18/19 20:29	1
Selenium	<0.050		0.050	0.020	mg/L		10/17/19 14:42	10/18/19 20:29	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

**Client Sample ID: ROW-85 (22-30)-101019**

**Lab Sample ID: 500-171581-15**

Date Collected: 10/10/19 03:50

Matrix: Solid

Date Received: 10/10/19 15:27

Percent Solids: 80.1

**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		10/17/19 14:42	10/18/19 20:29	1
Zinc	<0.50		0.50	0.020	mg/L		10/17/19 14:42	10/18/19 20:29	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J B	1.1	0.22	mg/Kg	☼	10/17/19 17:32	10/21/19 11:53	1
Arsenic	7.1		0.57	0.19	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Barium	40		0.57	0.065	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Beryllium	0.68		0.23	0.053	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Cadmium	0.11	B	0.11	0.021	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Calcium	57000	B	110	19	mg/Kg	☼	10/17/19 17:32	10/20/19 21:32	10
Chromium	16		0.57	0.28	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Cobalt	14		0.28	0.075	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Copper	27		0.57	0.16	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Iron	20000	B	11	5.9	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Lead	13		0.28	0.13	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Magnesium	22000		5.7	2.8	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Manganese	330	B	0.57	0.083	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Nickel	34		0.57	0.17	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Potassium	2800		28	10	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Selenium	<0.57		0.57	0.33	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Silver	2.5		0.28	0.073	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Sodium	200		57	8.4	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Thallium	1.1		0.57	0.28	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Vanadium	19		0.28	0.067	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1
Zinc	55		1.1	0.50	mg/Kg	☼	10/17/19 17:32	10/18/19 19:44	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 10:24	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/17/19 11:20	10/18/19 11:04	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.019	0.0064	mg/Kg	☼	10/16/19 11:55	10/17/19 07:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.5		0.2	0.2	SU			10/15/19 18:32	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171581-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
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.
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 - Circle Interchange-WO 003

Job ID: 500-171581-1

## 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	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids





# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
 Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
 Contact: Andis Skarskus  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

Bill To (optional)  
 Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: SAV  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 PO#/Reference# \_\_\_\_\_



500-171581 COC

## Chain of Custody Record

Lab Job #: 500-171581  
 Chain of Custody Number: \_\_\_\_\_  
 Page 3 of 4  
 Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter										Preservative Key	
Project Name																	
Project Location/State		Lab Project #															
Sampler		Lab PM															
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCUP / SVAP Metals	pH						
			Date	Time													
1		ROW-82 (28-36)-101019	10/9/19	0245	6	S	X	X	X	X	X						
2		ROW-82 (36-44)-101019		0005													
3		ROW-82 (44-52)-101019		0020													
4		ROW-82 (52-59)-101019		0050													
5		ROW-83 (4-10)-101019		0145													
6		ROW-83 (10-16)-101019		0150													
7		ROW-83 (16-22)-101019		0155													
8		ROW-83 (22-30)-101019		0200													
9		ROW-84 (13-16)-101019		0225													
10		ROW-84 (16-22)-101019		0235													

Turnaround Time Required (Business Days)

\_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 5 Days  6 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>WS</u>	Date <u>10/10/19</u>	Time <u>1425</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>10/10/19</u>	Time <u>1742</u>
Relinquished By <u>[Signature]</u>	Company <u>A</u>	Date <u>10/10/19</u>	Time <u>1527</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>10/10/19</u>	Time <u>1527</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: \_\_\_\_\_  
 Shipped: \_\_\_\_\_  
 Hand Delivered: \_\_\_\_\_

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments:

Lab Comments:

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
 Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
 Contact: Andris Slesarics  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

Bill To (optional)  
 Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: SAME  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171581

Chain of Custody Number: \_\_\_\_\_

Page 4 of 4

Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
<u>Weston</u>		<u>0208.016.003</u>									
Project Name		Lab Project #		# of Containers		Matrix					
<u>Weston 70790/14</u>											
Project Location/State		Lab PM									
<u>Chicago, IL</u>		<u>C. Rene of M. Delve</u>									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCS	SUOS	Trace metals	TCLP/SPLP metals	pH
<u>11</u>		<u>ROW-84 (22-27)-101019</u>	<u>10/10/19</u>	<u>0245</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>12</u>		<u>ROW-84 (22-27)-10101913</u>		<u>0245</u>							
<u>13</u>		<u>ROW-85 (12-16)-101019</u>		<u>0320</u>							
<u>14</u>		<u>ROW-85 (16-22)-101019</u>		<u>0330</u>							
<u>15</u>		<u>ROW-85 (22-30)-101019</u>		<u>0350</u>							

- Preservative Key
1. HCL, Cool to 4°
  2. H2SO4, Cool to 4°
  3. HNO3, Cool to 4°
  4. NaOH, Cool to 4°
  5. NaOH/Zn, Cool to 4°
  6. NaHSO4
  7. Cool to 4°
  8. None
  9. Other

Turnaround Time Required (Business Days)

Requested Due Date: 7 Days

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Relinquished By: <u>[Signature]</u> Company: <u>WS</u> Date: <u>10/10/19</u> Time: <u>1415</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/10/19</u> Time: <u>1425</u>	Lab Courier: _____
Relinquished By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/10/19</u> Time: <u>1527</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/10/19</u> Time: <u>1527</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

## ANALYTICAL REPORT

Eurofins TestAmerica, Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

Laboratory Job ID: 500-171647-1

Client Project/Site: IDOT - Circle Interchange-WO 003  
Revision: 1

**For:**

Weston Solutions, Inc.  
300 Plaza Circle, Suite 202  
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers



Authorized for release by:  
10/30/2019 7:47:22 AM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-37(0-4)-101019**

**Lab Sample ID: 500-171647-1**

Date Collected: 10/10/19 10:20

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 82.1

### Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
1,1,2,2-Tetrachloroethane	<0.0017	*	0.0017	0.00055	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
<b>Acetone</b>	<b>0.013</b>	<b>J</b>	0.017	0.0074	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Chloroethane	<0.0043	*	0.0043	0.0013	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
<b>Toluene</b>	<b>0.00050</b>	<b>J</b>	0.0017	0.00043	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	10/10/19 10:20	10/19/19 14:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		70 - 134				10/10/19 10:20	10/19/19 14:35	1
4-Bromofluorobenzene (Surr)	142	X *	75 - 131				10/10/19 10:20	10/19/19 14:35	1
Dibromofluoromethane	108		75 - 126				10/10/19 10:20	10/19/19 14:35	1
Toluene-d8 (Surr)	120		75 - 124				10/10/19 10:20	10/19/19 14:35	1

### Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-37(0-4)-101019**

**Lab Sample ID: 500-171647-1**

Date Collected: 10/10/19 10:20

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 82.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
2,4-Dinitrophenol	<0.81	F1	0.81	0.71	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
<b>2-Methylnaphthalene</b>	<b>0.038</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
4,6-Dinitro-2-methylphenol	<0.81	F2	0.81	0.32	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
<b>Benzo[g,h,i]perylene</b>	<b>0.015</b>	<b>J F1</b>	0.040	0.013	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
<b>Chrysene</b>	<b>0.039</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Hexachlorocyclopentadiene	<0.81	F1	0.81	0.23	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Hexachloroethane	<0.20	F1	0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-37(0-4)-101019**

**Lab Sample ID: 500-171647-1**

Date Collected: 10/10/19 10:20

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 82.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040	F1	0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
N-Nitrosodiphenylamine	<0.20	F1	0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
<b>Phenanthrene</b>	<b>0.16</b>		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1
<b>Pyrene</b>	<b>0.024</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/18/19 07:37	10/18/19 23:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		31 - 143	10/18/19 07:37	10/18/19 23:37	1
2-Fluorobiphenyl	90		43 - 145	10/18/19 07:37	10/18/19 23:37	1
2-Fluorophenol	91		31 - 166	10/18/19 07:37	10/18/19 23:37	1
Nitrobenzene-d5	73		37 - 147	10/18/19 07:37	10/18/19 23:37	1
Phenol-d5	82		30 - 153	10/18/19 07:37	10/18/19 23:37	1
Terphenyl-d14	95		42 - 157	10/18/19 07:37	10/18/19 23:37	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:14	10/20/19 20:05	1
<b>Barium</b>	<b>0.54</b>		0.50	0.050	mg/L		10/18/19 09:14	10/20/19 20:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 20:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 20:05	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:05	1
<b>Cobalt</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:05	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:05	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 20:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 20:05	1
<b>Manganese</b>	<b>1.3</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:05	1
<b>Nickel</b>	<b>0.047</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:05	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 20:05	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:05	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 09:14	10/20/19 20:05	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		10/18/19 09:11	10/20/19 23:53	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 09:11	10/20/19 23:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/20/19 23:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/20/19 23:53	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/20/19 23:53	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/20/19 23:53	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/20/19 23:53	1
<b>Iron</b>	<b>0.43</b>		0.40	0.20	mg/L		10/18/19 09:11	10/20/19 23:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:11	10/20/19 23:53	1
<b>Manganese</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:11	10/20/19 23:53	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/20/19 23:53	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/20/19 23:53	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-37(0-4)-101019**

**Lab Sample ID: 500-171647-1**

Date Collected: 10/10/19 10:20

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 82.1

**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		10/18/19 09:11	10/20/19 23:53	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/18/19 09:11	10/20/19 23:53	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.54	J	1.2	0.24	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Arsenic	8.9		0.61	0.21	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Barium	32		0.61	0.069	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Beryllium	0.71		0.24	0.057	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Cadmium	0.19	B	0.12	0.022	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Calcium	35000	B	12	2.1	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Chromium	17		0.61	0.30	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Cobalt	16		0.30	0.080	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Copper	38		0.61	0.17	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Iron	21000		12	6.3	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Lead	15		0.30	0.14	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Magnesium	19000		6.1	3.0	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Manganese	300		0.61	0.088	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Nickel	41		0.61	0.18	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Potassium	3600		30	11	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Selenium	1.0		0.61	0.36	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Silver	2.5		0.30	0.078	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Sodium	650		61	9.0	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Thallium	1.1		0.61	0.30	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Vanadium	21		0.30	0.072	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1
Zinc	54		1.2	0.53	mg/Kg	☼	10/18/19 09:44	10/20/19 11:23	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 09:50	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:27	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.020	0.0066	mg/Kg	☼	10/16/19 11:55	10/17/19 08:02	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-37(4-10)-101019**

**Lab Sample ID: 500-171647-2**

**Date Collected: 10/10/19 10:25**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**Percent Solids: 87.3**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Acetone	0.0066	J	0.015	0.0064	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Carbon disulfide	<0.0037		0.0037	0.00077	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Chloroethane	<0.0037	*	0.0037	0.0011	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Ethylbenzene	<0.0015		0.0015	0.00071	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0016	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00065	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Vinyl chloride	<0.0015		0.0015	0.00065	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1
Xylenes, Total	<0.0030		0.0030	0.00047	mg/Kg	☼	10/11/19 19:10	10/19/19 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/11/19 19:10	10/19/19 15:01	1
4-Bromofluorobenzene (Surr)	90		75 - 131	10/11/19 19:10	10/19/19 15:01	1
Dibromofluoromethane	99		75 - 126	10/11/19 19:10	10/19/19 15:01	1
Toluene-d8 (Surr)	96		75 - 124	10/11/19 19:10	10/19/19 15:01	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-37(4-10)-101019**

**Lab Sample ID: 500-171647-2**

Date Collected: 10/10/19 10:25

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 87.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>2-Methylnaphthalene</b>	<b>0.045</b>	<b>J</b>	0.077	0.0070	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Acenaphthene</b>	<b>0.098</b>		0.038	0.0068	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Acenaphthylene</b>	<b>0.068</b>		0.038	0.0050	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Anthracene</b>	<b>0.30</b>		0.038	0.0064	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Benzo[a]anthracene</b>	<b>0.85</b>		0.038	0.0051	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Benzo[a]pyrene</b>	<b>0.86</b>		0.038	0.0074	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Benzo[b]fluoranthene</b>	<b>1.3</b>		0.038	0.0082	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Benzo[g,h,i]perylene</b>	<b>0.21</b>		0.038	0.012	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Benzo[k]fluoranthene</b>	<b>0.39</b>		0.038	0.011	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Carbazole</b>	<b>0.096</b>	<b>J</b>	0.19	0.095	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Chrysene</b>	<b>0.86</b>		0.038	0.010	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Dibenz(a,h)anthracene</b>	<b>0.065</b>		0.038	0.0073	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Dibenzofuran</b>	<b>0.085</b>	<b>J</b>	0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Fluoranthene</b>	<b>1.6</b>		0.038	0.0070	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Fluorene</b>	<b>0.12</b>		0.038	0.0053	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-37(4-10)-101019**

**Lab Sample ID: 500-171647-2**

Date Collected: 10/10/19 10:25

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 87.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.21</b>		0.038	0.0099	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Naphthalene</b>	<b>0.046</b>		0.038	0.0058	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.046	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Phenanthrene</b>	<b>1.2</b>		0.038	0.0053	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
<b>Pyrene</b>	<b>1.8</b>		0.038	0.0076	mg/Kg	☼	10/18/19 07:37	10/21/19 22:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	90		31 - 143				10/18/19 07:37	10/21/19 22:39	1
2-Fluorobiphenyl	87		43 - 145				10/18/19 07:37	10/21/19 22:39	1
2-Fluorophenol	84		31 - 166				10/18/19 07:37	10/21/19 22:39	1
Nitrobenzene-d5	81		37 - 147				10/18/19 07:37	10/21/19 22:39	1
Phenol-d5	84		30 - 153				10/18/19 07:37	10/21/19 22:39	1
Terphenyl-d14	119		42 - 157				10/18/19 07:37	10/21/19 22:39	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		10/18/19 09:14	10/20/19 20:09	1
<b>Barium</b>	<b>0.25</b>	<b>J</b>	0.50	0.050	mg/L		10/18/19 09:14	10/20/19 20:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 20:09	1
<b>Cadmium</b>	<b>0.0026</b>	<b>J</b>	0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 20:09	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:09	1
<b>Cobalt</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:09	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:09	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 20:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 20:09	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:09	1
<b>Nickel</b>	<b>0.023</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:09	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 20:09	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:09	1
<b>Zinc</b>	<b>0.067</b>	<b>J</b>	0.50	0.020	mg/L		10/18/19 09:14	10/20/19 20:09	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		10/18/19 09:11	10/20/19 23:57	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 09:11	10/20/19 23:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/20/19 23:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/20/19 23:57	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/20/19 23:57	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/20/19 23:57	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/20/19 23:57	1
<b>Iron</b>	<b>1.0</b>		0.40	0.20	mg/L		10/18/19 09:11	10/20/19 23:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:11	10/20/19 23:57	1
Manganese	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/20/19 23:57	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/20/19 23:57	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/20/19 23:57	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-37(4-10)-101019**

**Lab Sample ID: 500-171647-2**

Date Collected: 10/10/19 10:25

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 87.3

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/20/19 23:57	1
Zinc	0.020	J ^	0.50	0.020	mg/L		10/18/19 09:11	10/20/19 23:57	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.2		1.0	0.20	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Arsenic	7.3		0.52	0.18	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Barium	67		0.52	0.060	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Beryllium	0.67		0.21	0.049	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Cadmium	0.48	B	0.10	0.019	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Calcium	58000	B	100	18	mg/Kg	☼	10/18/19 09:44	10/21/19 11:32	10
Chromium	15		0.52	0.26	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Cobalt	11		0.26	0.069	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Copper	66		0.52	0.15	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Iron	16000		10	5.5	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Lead	120		0.26	0.12	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Magnesium	27000		5.2	2.6	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Manganese	260		0.52	0.076	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Nickel	29		0.52	0.15	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Potassium	2700		26	9.3	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Selenium	0.86		0.52	0.31	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Silver	2.5		0.26	0.068	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Sodium	410		52	7.8	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Thallium	0.61		0.52	0.26	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Vanadium	18		0.26	0.062	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1
Zinc	140		1.0	0.46	mg/Kg	☼	10/18/19 09:44	10/20/19 11:27	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 09:52	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:28	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.15		0.018	0.0059	mg/Kg	☼	10/16/19 11:55	10/17/19 08:04	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-37-101019**

**Lab Sample ID: 500-171647-3**

Date Collected: 10/10/19 10:50

Matrix: Water

Date Received: 10/11/19 17:10

**Method: 8260B - VOC**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0010		0.0010	0.00038	mg/L			10/19/19 11:45	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00040	mg/L			10/19/19 11:45	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00035	mg/L			10/19/19 11:45	1
1,1-Dichloroethane	<0.0010		0.0010	0.00041	mg/L			10/19/19 11:45	1
1,1-Dichloroethene	<0.0010		0.0010	0.00039	mg/L			10/19/19 11:45	1
1,2-Dichloroethane	<0.0010		0.0010	0.00039	mg/L			10/19/19 11:45	1
1,2-Dichloropropane	<0.0010		0.0010	0.00043	mg/L			10/19/19 11:45	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00042	mg/L			10/19/19 11:45	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/L			10/19/19 11:45	1
Acetone	<0.010		0.010	0.0017	mg/L			10/19/19 11:45	1
Benzene	<0.00050		0.00050	0.00015	mg/L			10/19/19 11:45	1
Bromodichloromethane	<0.0010		0.0010	0.00037	mg/L			10/19/19 11:45	1
Bromoform	<0.0010		0.0010	0.00048	mg/L			10/19/19 11:45	1
Bromomethane	<0.0030		0.0030	0.00080	mg/L			10/19/19 11:45	1
Carbon disulfide	<0.0020		0.0020	0.00045	mg/L			10/19/19 11:45	1
Carbon tetrachloride	<0.0010		0.0010	0.00038	mg/L			10/19/19 11:45	1
Chlorobenzene	<0.0010		0.0010	0.00039	mg/L			10/19/19 11:45	1
Chloroethane	<0.0010		0.0010	0.00051	mg/L			10/19/19 11:45	1
Chloroform	<0.0020		0.0020	0.00037	mg/L			10/19/19 11:45	1
Chloromethane	<0.0010		0.0010	0.00032	mg/L			10/19/19 11:45	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00041	mg/L			10/19/19 11:45	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00042	mg/L			10/19/19 11:45	1
Dibromochloromethane	<0.0010		0.0010	0.00049	mg/L			10/19/19 11:45	1
Ethylbenzene	<0.00050		0.00050	0.00018	mg/L			10/19/19 11:45	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0021	mg/L			10/19/19 11:45	1
methyl isobutyl ketone	<0.0050		0.0050	0.0022	mg/L			10/19/19 11:45	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00039	mg/L			10/19/19 11:45	1
Methylene Chloride	<0.0050		0.0050	0.0016	mg/L			10/19/19 11:45	1
Styrene	<0.0010		0.0010	0.00039	mg/L			10/19/19 11:45	1
Tetrachloroethene	<0.0010		0.0010	0.00037	mg/L			10/19/19 11:45	1
Toluene	<0.00050		0.00050	0.00015	mg/L			10/19/19 11:45	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00035	mg/L			10/19/19 11:45	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00036	mg/L			10/19/19 11:45	1
Trichloroethene	<0.00050		0.00050	0.00016	mg/L			10/19/19 11:45	1
Vinyl chloride	<0.0010		0.0010	0.00020	mg/L			10/19/19 11:45	1
Xylenes, Total	<0.0010		0.0010	0.00022	mg/L			10/19/19 11:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		75 - 126		10/19/19 11:45	1
4-Bromofluorobenzene (Surr)	101		72 - 124		10/19/19 11:45	1
Dibromofluoromethane	99		75 - 120		10/19/19 11:45	1
Toluene-d8 (Surr)	100		75 - 120		10/19/19 11:45	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.0016		0.0016	0.00019	mg/L		10/15/19 09:34	10/16/19 20:10	1
1,2-Dichlorobenzene	<0.0016		0.0016	0.00020	mg/L		10/15/19 09:34	10/16/19 20:10	1
1,3-Dichlorobenzene	<0.0016		0.0016	0.00017	mg/L		10/15/19 09:34	10/16/19 20:10	1
1,4-Dichlorobenzene	<0.0016		0.0016	0.00017	mg/L		10/15/19 09:34	10/16/19 20:10	1
2,2'-oxybis[1-chloropropane]	<0.0016		0.0016	0.00030	mg/L		10/15/19 09:34	10/16/19 20:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-37-101019**

**Lab Sample ID: 500-171647-3**

**Date Collected: 10/10/19 10:50**

**Matrix: Water**

**Date Received: 10/11/19 17:10**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.0079		0.0079	0.0020	mg/L		10/15/19 09:34	10/16/19 20:10	1
2,4,6-Trichlorophenol	<0.0040		0.0040	0.00057	mg/L		10/15/19 09:34	10/16/19 20:10	1
2,4-Dichlorophenol	<0.0079		0.0079	0.0021	mg/L		10/15/19 09:34	10/16/19 20:10	1
2,4-Dimethylphenol	<0.0079		0.0079	0.0014	mg/L		10/15/19 09:34	10/16/19 20:10	1
2,4-Dinitrophenol	<0.016		0.016	0.0068	mg/L		10/15/19 09:34	10/16/19 20:10	1
2,4-Dinitrotoluene	<0.00079		0.00079	0.00019	mg/L		10/15/19 09:34	10/16/19 20:10	1
2,6-Dinitrotoluene	<0.00079		0.00079	0.000058	mg/L		10/15/19 09:34	10/16/19 20:10	1
2-Chloronaphthalene	<0.0016		0.0016	0.00019	mg/L		10/15/19 09:34	10/16/19 20:10	1
2-Chlorophenol	<0.0040		0.0040	0.00044	mg/L		10/15/19 09:34	10/16/19 20:10	1
2-Methylnaphthalene	<0.0016		0.0016	0.000052	mg/L		10/15/19 09:34	10/16/19 20:10	1
2-Methylphenol	<0.0016		0.0016	0.00024	mg/L		10/15/19 09:34	10/16/19 20:10	1
2-Nitroaniline	<0.0040		0.0040	0.0010	mg/L		10/15/19 09:34	10/16/19 20:10	1
2-Nitrophenol	<0.0079		0.0079	0.0020	mg/L		10/15/19 09:34	10/16/19 20:10	1
3 & 4 Methylphenol	<0.0016		0.0016	0.00036	mg/L		10/15/19 09:34	10/16/19 20:10	1
3,3'-Dichlorobenzidine	<0.0040		0.0040	0.0014	mg/L		10/15/19 09:34	10/16/19 20:10	1
3-Nitroaniline	<0.0079		0.0079	0.0014	mg/L		10/15/19 09:34	10/16/19 20:10	1
4,6-Dinitro-2-methylphenol	<0.016		0.016	0.0047	mg/L		10/15/19 09:34	10/16/19 20:10	1
4-Bromophenyl phenyl ether	<0.0040		0.0040	0.00043	mg/L		10/15/19 09:34	10/16/19 20:10	1
4-Chloro-3-methylphenol	<0.0079		0.0079	0.0018	mg/L		10/15/19 09:34	10/16/19 20:10	1
4-Chloroaniline	<0.0079		0.0079	0.0016	mg/L		10/15/19 09:34	10/16/19 20:10	1
4-Chlorophenyl phenyl ether	<0.0040		0.0040	0.00050	mg/L		10/15/19 09:34	10/16/19 20:10	1
4-Nitroaniline	<0.0079		0.0079	0.0013	mg/L		10/15/19 09:34	10/16/19 20:10	1
4-Nitrophenol	<0.016		0.016	0.0059	mg/L		10/15/19 09:34	10/16/19 20:10	1
Acenaphthene	<0.00079		0.00079	0.00024	mg/L		10/15/19 09:34	10/16/19 20:10	1
Acenaphthylene	<0.00079		0.00079	0.00021	mg/L		10/15/19 09:34	10/16/19 20:10	1
Anthracene	<0.00079		0.00079	0.00026	mg/L		10/15/19 09:34	10/16/19 20:10	1
<b>Benzo[a]anthracene</b>	<b>0.00062</b>		0.00013	0.000045	mg/L		10/15/19 09:34	10/16/19 20:10	1
<b>Benzo[a]pyrene</b>	<b>0.00066</b>		0.00016	0.000078	mg/L		10/15/19 09:34	10/16/19 20:10	1
<b>Benzo[b]fluoranthene</b>	<b>0.00077</b>		0.00016	0.000064	mg/L		10/15/19 09:34	10/16/19 20:10	1
<b>Benzo[g,h,i]perylene</b>	<b>0.00043 J</b>		0.00079	0.00030	mg/L		10/15/19 09:34	10/16/19 20:10	1
<b>Benzo[k]fluoranthene</b>	<b>0.00033</b>		0.00016	0.000051	mg/L		10/15/19 09:34	10/16/19 20:10	1
Bis(2-chloroethoxy)methane	<0.0016		0.0016	0.00022	mg/L		10/15/19 09:34	10/16/19 20:10	1
Bis(2-chloroethyl)ether	<0.0016		0.0016	0.00023	mg/L		10/15/19 09:34	10/16/19 20:10	1
Bis(2-ethylhexyl) phthalate	<0.0079		0.0079	0.0014	mg/L		10/15/19 09:34	10/16/19 20:10	1
Butyl benzyl phthalate	<0.0016		0.0016	0.00038	mg/L		10/15/19 09:34	10/16/19 20:10	1
Carbazole	<0.0040		0.0040	0.00028	mg/L		10/15/19 09:34	10/16/19 20:10	1
<b>Chrysene</b>	<b>0.00071</b>		0.00016	0.000054	mg/L		10/15/19 09:34	10/16/19 20:10	1
<b>Dibenz(a,h)anthracene</b>	<b>0.00011 J</b>		0.00024	0.000040	mg/L		10/15/19 09:34	10/16/19 20:10	1
Dibenzofuran	<0.0016		0.0016	0.00021	mg/L		10/15/19 09:34	10/16/19 20:10	1
Diethyl phthalate	<0.0040		0.0040	0.00029	mg/L		10/15/19 09:34	10/16/19 20:10	1
Dimethyl phthalate	<0.0040		0.0040	0.00025	mg/L		10/15/19 09:34	10/16/19 20:10	1
Di-n-butyl phthalate	<0.0040		0.0040	0.00058	mg/L		10/15/19 09:34	10/16/19 20:10	1
Di-n-octyl phthalate	<0.0079		0.0079	0.00083	mg/L		10/15/19 09:34	10/16/19 20:10	1
<b>Fluoranthene</b>	<b>0.0012</b>		0.00079	0.00036	mg/L		10/15/19 09:34	10/16/19 20:10	1
Fluorene	<0.00079		0.00079	0.00019	mg/L		10/15/19 09:34	10/16/19 20:10	1
Hexachlorobenzene	<0.00040		0.00040	0.000063	mg/L		10/15/19 09:34	10/16/19 20:10	1
Hexachlorobutadiene	<0.0040		0.0040	0.00041	mg/L		10/15/19 09:34	10/16/19 20:10	1
Hexachlorocyclopentadiene	<0.016		0.016	0.0050	mg/L		10/15/19 09:34	10/16/19 20:10	1
Hexachloroethane	<0.0040		0.0040	0.00047	mg/L		10/15/19 09:34	10/16/19 20:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-37-101019**

**Lab Sample ID: 500-171647-3**

Date Collected: 10/10/19 10:50

Matrix: Water

Date Received: 10/11/19 17:10

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.00038</b>		0.00016	0.000059	mg/L		10/15/19 09:34	10/16/19 20:10	1
Isophorone	<0.0016		0.0016	0.00030	mg/L		10/15/19 09:34	10/16/19 20:10	1
Naphthalene	<0.00079		0.00079	0.00024	mg/L		10/15/19 09:34	10/16/19 20:10	1
Nitrobenzene	<0.00079		0.00079	0.00036	mg/L		10/15/19 09:34	10/16/19 20:10	1
N-Nitrosodi-n-propylamine	<0.00040		0.00040	0.00012	mg/L		10/15/19 09:34	10/16/19 20:10	1
N-Nitrosodiphenylamine	<0.0016		0.0016	0.00029	mg/L		10/15/19 09:34	10/16/19 20:10	1
Pentachlorophenol	<0.016		0.016	0.0031	mg/L		10/15/19 09:34	10/16/19 20:10	1
<b>Phenanthrene</b>	<b>0.00057</b>	<b>J</b>	0.00079	0.00024	mg/L		10/15/19 09:34	10/16/19 20:10	1
Phenol	<0.0040		0.0040	0.00053	mg/L		10/15/19 09:34	10/16/19 20:10	1
<b>Pyrene</b>	<b>0.0014</b>		0.00079	0.00034	mg/L		10/15/19 09:34	10/16/19 20:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	93		40 - 145				10/15/19 09:34	10/16/19 20:10	1
2-Fluorobiphenyl	50		34 - 110				10/15/19 09:34	10/16/19 20:10	1
2-Fluorophenol	43		27 - 110				10/15/19 09:34	10/16/19 20:10	1
Nitrobenzene-d5	55		36 - 120				10/15/19 09:34	10/16/19 20:10	1
Phenol-d5	38		20 - 110				10/15/19 09:34	10/16/19 20:10	1
Terphenyl-d14	77		40 - 145				10/15/19 09:34	10/16/19 20:10	1

**Method: 6020A - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.0044</b>		0.0030	0.0013	mg/L		10/15/19 16:38	10/16/19 11:36	1
<b>Arsenic</b>	<b>0.023</b>		0.0010	0.00023	mg/L		10/15/19 16:38	10/16/19 11:36	1
<b>Barium</b>	<b>0.21</b>		0.0025	0.00073	mg/L		10/15/19 16:38	10/16/19 11:36	1
<b>Beryllium</b>	<b>0.0027</b>	<b>J ^</b>	0.0050	0.0027	mg/L		10/15/19 16:38	10/16/19 13:03	5
<b>Cadmium</b>	<b>0.0013</b>		0.00050	0.00017	mg/L		10/15/19 16:38	10/16/19 11:36	1
<b>Calcium</b>	<b>560</b>		1.0	0.22	mg/L		10/15/19 16:38	10/16/19 11:38	5
<b>Chromium</b>	<b>0.074</b>		0.0050	0.0011	mg/L		10/15/19 16:38	10/16/19 11:36	1
<b>Cobalt</b>	<b>0.028</b>		0.0010	0.00040	mg/L		10/15/19 16:38	10/16/19 11:36	1
<b>Copper</b>	<b>0.16</b>		0.0020	0.00050	mg/L		10/15/19 16:38	10/16/19 11:36	1
<b>Iron</b>	<b>61</b>		0.10	0.047	mg/L		10/15/19 16:38	10/16/19 11:36	1
<b>Lead</b>	<b>0.32</b>		0.00050	0.00019	mg/L		10/15/19 16:38	10/16/19 11:36	1
<b>Magnesium</b>	<b>210</b>		1.0	0.25	mg/L		10/15/19 16:38	10/16/19 11:38	5
<b>Manganese</b>	<b>1.1</b>		0.0025	0.00079	mg/L		10/15/19 16:38	10/16/19 11:36	1
<b>Nickel</b>	<b>0.083</b>		0.0020	0.00063	mg/L		10/15/19 16:38	10/16/19 11:36	1
<b>Potassium</b>	<b>36</b>		0.50	0.11	mg/L		10/15/19 16:38	10/16/19 11:36	1
<b>Selenium</b>	<b>0.0045</b>		0.0025	0.00098	mg/L		10/15/19 16:38	10/16/19 11:36	1
<b>Silver</b>	<b>0.00062</b>		0.00050	0.00012	mg/L		10/15/19 16:38	10/16/19 11:36	1
<b>Sodium</b>	<b>950</b>		1.0	0.39	mg/L		10/15/19 16:38	10/16/19 11:38	5
<b>Thallium</b>	<b>0.0020</b>		0.0020	0.00057	mg/L		10/15/19 16:38	10/16/19 11:36	1
<b>Vanadium</b>	<b>0.073</b>		0.0050	0.0022	mg/L		10/15/19 16:38	10/16/19 11:36	1
<b>Zinc</b>	<b>0.43</b>		0.020	0.0069	mg/L		10/15/19 16:38	10/16/19 11:36	1

**Method: 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.0012</b>		0.00050	0.00025	mg/L		10/16/19 14:15	10/17/19 07:12	1

Eurolins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-51(0-3)-101019**

**Lab Sample ID: 500-171647-4**

**Date Collected: 10/10/19 10:40**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**Percent Solids: 85.7**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Acetone	<0.017		0.017	0.0073	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Chloroethane	<0.0042 *		0.0042	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/11/19 19:10	10/19/19 15:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	10/11/19 19:10	10/19/19 15:27	1
4-Bromofluorobenzene (Surr)	89		75 - 131	10/11/19 19:10	10/19/19 15:27	1
Dibromofluoromethane	98		75 - 126	10/11/19 19:10	10/19/19 15:27	1
Toluene-d8 (Surr)	92		75 - 124	10/11/19 19:10	10/19/19 15:27	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-51(0-3)-101019**

**Lab Sample ID: 500-171647-4**

**Date Collected: 10/10/19 10:40**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**Percent Solids: 85.7**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>2-Methylnaphthalene</b>	<b>0.035</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Acenaphthene</b>	<b>0.034</b>	<b>J</b>	0.038	0.0069	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Acenaphthylene</b>	<b>0.021</b>	<b>J</b>	0.038	0.0051	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Anthracene</b>	<b>0.10</b>		0.038	0.0064	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Benzo[a]anthracene</b>	<b>0.27</b>		0.038	0.0052	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Benzo[a]pyrene</b>	<b>0.27</b>		0.038	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Benzo[b]fluoranthene</b>	<b>0.36</b>		0.038	0.0083	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Benzo[g,h,i]perylene</b>	<b>0.089</b>		0.038	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Benzo[k]fluoranthene</b>	<b>0.14</b>		0.038	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Chrysene</b>	<b>0.27</b>		0.038	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Dibenz(a,h)anthracene</b>	<b>0.030</b>	<b>J</b>	0.038	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Fluoranthene</b>	<b>0.56</b>		0.038	0.0071	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Fluorene</b>	<b>0.040</b>		0.038	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-51(0-3)-101019**

**Lab Sample ID: 500-171647-4**

Date Collected: 10/10/19 10:40

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 85.7

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.098</b>		0.038	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Naphthalene</b>	<b>0.026</b>	<b>J</b>	0.038	0.0059	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Phenanthrene</b>	<b>0.41</b>		0.038	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Pyrene</b>	<b>0.53</b>		0.038	0.0076	mg/Kg	☼	10/18/19 07:37	10/19/19 00:05	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>2,4,6-Tribromophenol</i>	55		31 - 143				10/18/19 07:37	10/19/19 00:05	1
<i>2-Fluorobiphenyl</i>	60		43 - 145				10/18/19 07:37	10/19/19 00:05	1
<i>2-Fluorophenol</i>	68		31 - 166				10/18/19 07:37	10/19/19 00:05	1
<i>Nitrobenzene-d5</i>	51		37 - 147				10/18/19 07:37	10/19/19 00:05	1
<i>Phenol-d5</i>	56		30 - 153				10/18/19 07:37	10/19/19 00:05	1
<i>Terphenyl-d14</i>	63		42 - 157				10/18/19 07:37	10/19/19 00:05	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:14	10/20/19 20:14	1
<b>Barium</b>	<b>0.29</b>	<b>J</b>	0.50	0.050	mg/L		10/18/19 09:14	10/20/19 20:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 20:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 20:14	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:14	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:14	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:14	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 20:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 20:14	1
<b>Manganese</b>	<b>0.14</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:14	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:14	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 20:14	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:14	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 09:14	10/20/19 20:14	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:11	10/21/19 00:01	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 09:11	10/21/19 00:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/21/19 00:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/21/19 00:01	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:01	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:01	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:01	1
<b>Iron</b>	<b>1.2</b>		0.40	0.20	mg/L		10/18/19 09:11	10/21/19 00:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:11	10/21/19 00:01	1
Manganese	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:01	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:01	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/21/19 00:01	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-51(0-3)-101019**

**Lab Sample ID: 500-171647-4**

Date Collected: 10/10/19 10:40

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 85.7

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:01	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/18/19 09:11	10/21/19 00:01	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.57	J	1.1	0.22	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Arsenic	6.1		0.57	0.19	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Barium	96		0.57	0.065	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Beryllium	0.63		0.23	0.053	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Cadmium	0.26	B	0.11	0.020	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Calcium	28000	B	11	1.9	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Chromium	16		0.57	0.28	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Cobalt	10		0.28	0.074	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Copper	29		0.57	0.16	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Iron	17000		11	5.9	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Lead	35		0.28	0.13	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Magnesium	15000		5.7	2.8	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Manganese	420		0.57	0.082	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Nickel	23		0.57	0.17	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Potassium	2000		28	10	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Selenium	0.72		0.57	0.33	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Silver	3.2		0.28	0.073	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Sodium	340		57	8.4	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Thallium	0.66		0.57	0.28	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Vanadium	26		0.28	0.067	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1
Zinc	77		1.1	0.50	mg/Kg	☼	10/18/19 09:44	10/20/19 11:31	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 09:54	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:30	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.052		0.018	0.0060	mg/Kg	☼	10/16/19 11:55	10/17/19 08:06	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-44(0-1)-101019**

**Lab Sample ID: 500-171647-5**

**Date Collected: 10/10/19 23:50**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**Percent Solids: 87.0**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
1,1,2,2-Tetrachloroethane	<0.0017	*	0.0017	0.00054	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
<b>Acetone</b>	<b>0.030</b>		0.017	0.0073	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
<b>Carbon disulfide</b>	<b>0.00087</b>	<b>J</b>	0.0042	0.00087	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Chloroethane	<0.0042	*	0.0042	0.0012	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
<b>Methyl Ethyl Ketone</b>	<b>0.0031</b>	<b>J</b>	0.0042	0.0019	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
<b>Toluene</b>	<b>0.00045</b>	<b>J</b>	0.0017	0.00042	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/10/19 23:50	10/19/19 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		70 - 134	10/10/19 23:50	10/19/19 15:52	1
4-Bromofluorobenzene (Surr)	121	*	75 - 131	10/10/19 23:50	10/19/19 15:52	1
Dibromofluoromethane	102		75 - 126	10/10/19 23:50	10/19/19 15:52	1
Toluene-d8 (Surr)	106		75 - 124	10/10/19 23:50	10/19/19 15:52	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-44(0-1)-101019**

**Lab Sample ID: 500-171647-5**

Date Collected: 10/10/19 23:50

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 87.0

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>2-Methylnaphthalene</b>	<b>0.072</b>	<b>J</b>	0.076	0.0069	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Acenaphthene</b>	<b>0.064</b>		0.037	0.0067	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Acenaphthylene</b>	<b>0.039</b>		0.037	0.0049	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Anthracene</b>	<b>0.15</b>		0.037	0.0063	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Benzo[a]anthracene</b>	<b>0.44</b>		0.037	0.0050	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Benzo[a]pyrene</b>	<b>0.45</b>		0.037	0.0073	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Benzo[b]fluoranthene</b>	<b>0.65</b>		0.037	0.0081	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Benzo[g,h,i]perylene</b>	<b>0.14</b>		0.037	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Benzo[k]fluoranthene</b>	<b>0.22</b>		0.037	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>0.16</b>	<b>J</b>	0.19	0.069	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Chrysene</b>	<b>0.44</b>		0.037	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Dibenz(a,h)anthracene</b>	<b>0.043</b>		0.037	0.0073	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Dibenzofuran</b>	<b>0.067</b>	<b>J</b>	0.19	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Fluoranthene</b>	<b>0.93</b>		0.037	0.0070	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Fluorene</b>	<b>0.076</b>		0.037	0.0053	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-44(0-1)-101019**

**Lab Sample ID: 500-171647-5**

Date Collected: 10/10/19 23:50

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 87.0

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.14</b>		0.037	0.0097	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Naphthalene</b>	<b>0.049</b>		0.037	0.0058	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Phenanthrene</b>	<b>0.66</b>		0.037	0.0052	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Pyrene</b>	<b>0.96</b>		0.037	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 00:33	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	77		31 - 143				10/18/19 07:37	10/19/19 00:33	1
2-Fluorobiphenyl	83		43 - 145				10/18/19 07:37	10/19/19 00:33	1
2-Fluorophenol	87		31 - 166				10/18/19 07:37	10/19/19 00:33	1
Nitrobenzene-d5	68		37 - 147				10/18/19 07:37	10/19/19 00:33	1
Phenol-d5	76		30 - 153				10/18/19 07:37	10/19/19 00:33	1
Terphenyl-d14	96		42 - 157				10/18/19 07:37	10/19/19 00:33	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:14	10/20/19 20:18	1
<b>Barium</b>	<b>0.33</b>	<b>J</b>	0.50	0.050	mg/L		10/18/19 09:14	10/20/19 20:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 20:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 20:18	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:18	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:18	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:18	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 20:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 20:18	1
<b>Manganese</b>	<b>1.2</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:18	1
<b>Nickel</b>	<b>0.025</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:18	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 20:18	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:18	1
<b>Zinc</b>	<b>0.027</b>	<b>J</b>	0.50	0.020	mg/L		10/18/19 09:14	10/20/19 20:18	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		10/18/19 09:11	10/21/19 00:05	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 09:11	10/21/19 00:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/21/19 00:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/21/19 00:05	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:05	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:05	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:05	1
<b>Iron</b>	<b>2.3</b>		0.40	0.20	mg/L		10/18/19 09:11	10/21/19 00:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:11	10/21/19 00:05	1
<b>Manganese</b>	<b>0.020</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:05	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:05	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/21/19 00:05	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-44(0-1)-101019**

**Lab Sample ID: 500-171647-5**

Date Collected: 10/10/19 23:50

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 87.0

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:05	1
Zinc	0.023	J ^	0.50	0.020	mg/L		10/18/19 09:11	10/21/19 00:05	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.52	J	1.1	0.21	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Arsenic	5.7		0.54	0.19	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Barium	38		0.54	0.062	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Beryllium	0.53		0.22	0.051	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Cadmium	0.22	B	0.11	0.020	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Calcium	52000	B	110	18	mg/Kg	☼	10/18/19 09:44	10/21/19 11:36	10
Chromium	11		0.54	0.27	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Cobalt	9.3		0.27	0.071	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Copper	25		0.54	0.15	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Iron	14000		11	5.6	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Lead	38		0.27	0.13	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Magnesium	24000		5.4	2.7	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Manganese	330		0.54	0.079	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Nickel	23		0.54	0.16	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Potassium	2300		27	9.6	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Selenium	0.78		0.54	0.32	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Silver	1.9		0.27	0.070	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Sodium	250		54	8.0	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Thallium	0.46	J	0.54	0.27	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Vanadium	16		0.27	0.064	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1
Zinc	62		1.1	0.48	mg/Kg	☼	10/18/19 09:44	10/20/19 11:35	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 09:55	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:32	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.068		0.018	0.0059	mg/Kg	☼	10/16/19 11:55	10/17/19 08:08	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-45(0-2)-101119**

**Lab Sample ID: 500-171647-7**

**Date Collected: 10/11/19 00:00**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**Percent Solids: 86.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Acetone	<0.015		0.015	0.0067	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Carbon disulfide	<0.0038		0.0038	0.00080	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Chloroethane	<0.0038 *		0.0038	0.0011	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	☼	10/11/19 19:10	10/19/19 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	10/11/19 19:10	10/19/19 16:44	1
4-Bromofluorobenzene (Surr)	94		75 - 131	10/11/19 19:10	10/19/19 16:44	1
Dibromofluoromethane	99		75 - 126	10/11/19 19:10	10/19/19 16:44	1
Toluene-d8 (Surr)	95		75 - 124	10/11/19 19:10	10/19/19 16:44	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-45(0-2)-101119**

**Lab Sample ID: 500-171647-7**

Date Collected: 10/11/19 00:00

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 86.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>2-Methylnaphthalene</b>	<b>0.088</b>		0.078	0.0071	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Acenaphthene</b>	<b>0.20</b>		0.038	0.0069	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Acenaphthylene</b>	<b>0.032 J</b>		0.038	0.0051	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Anthracene</b>	<b>0.61</b>		0.038	0.0064	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Benzo[a]anthracene</b>	<b>0.96</b>		0.038	0.0052	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Benzo[a]pyrene</b>	<b>0.97</b>		0.038	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Benzo[b]fluoranthene</b>	<b>1.1</b>		0.038	0.0083	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Benzo[g,h,i]perylene</b>	<b>0.30</b>		0.038	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Benzo[k]fluoranthene</b>	<b>0.56</b>		0.038	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>0.15 J</b>		0.19	0.070	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Carbazole</b>	<b>0.19</b>		0.19	0.096	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Chrysene</b>	<b>0.91</b>		0.038	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Dibenz(a,h)anthracene</b>	<b>0.084</b>		0.038	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Dibenzofuran</b>	<b>0.14 J</b>		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Fluoranthene</b>	<b>2.5</b>		0.038	0.0071	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Fluorene</b>	<b>0.22</b>		0.038	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-45(0-2)-101119**

**Lab Sample ID: 500-171647-7**

Date Collected: 10/11/19 00:00

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 86.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.29</b>		0.038	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Naphthalene</b>	<b>0.079</b>		0.038	0.0059	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Phenanthrene</b>	<b>2.4</b>		0.038	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Pyrene</b>	<b>2.4</b>		0.038	0.0076	mg/Kg	☼	10/18/19 07:37	10/19/19 01:27	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	76		31 - 143				10/18/19 07:37	10/19/19 01:27	1
2-Fluorobiphenyl	89		43 - 145				10/18/19 07:37	10/19/19 01:27	1
2-Fluorophenol	93		31 - 166				10/18/19 07:37	10/19/19 01:27	1
Nitrobenzene-d5	75		37 - 147				10/18/19 07:37	10/19/19 01:27	1
Phenol-d5	84		30 - 153				10/18/19 07:37	10/19/19 01:27	1
Terphenyl-d14	105		42 - 157				10/18/19 07:37	10/19/19 01:27	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		10/18/19 09:14	10/20/19 20:26	1
<b>Barium</b>	<b>0.35</b>	<b>J</b>	0.50	0.050	mg/L		10/18/19 09:14	10/20/19 20:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 20:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 20:26	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:26	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:26	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:26	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 20:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 20:26	1
<b>Manganese</b>	<b>1.2</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:26	1
<b>Nickel</b>	<b>0.026</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:26	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 20:26	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:26	1
<b>Zinc</b>	<b>0.023</b>	<b>J</b>	0.50	0.020	mg/L		10/18/19 09:14	10/20/19 20:26	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:11	10/21/19 00:13	1
<b>Barium</b>	<b>0.066</b>	<b>J</b>	0.50	0.050	mg/L		10/18/19 09:11	10/21/19 00:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/21/19 00:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/21/19 00:13	1
<b>Chromium</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:13	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:13	1
<b>Copper</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:13	1
<b>Iron</b>	<b>10</b>		0.40	0.20	mg/L		10/18/19 09:11	10/21/19 00:13	1
<b>Lead</b>	<b>0.023</b>		0.0075	0.0075	mg/L		10/18/19 09:11	10/21/19 00:13	1
<b>Manganese</b>	<b>0.092</b>		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:13	1
<b>Nickel</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:13	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/21/19 00:13	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-45(0-2)-101119**

**Lab Sample ID: 500-171647-7**

Date Collected: 10/11/19 00:00

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 86.1

**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		10/18/19 09:11	10/21/19 00:13	1
Zinc	0.053	J ^	0.50	0.020	mg/L		10/18/19 09:11	10/21/19 00:13	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.46	J	1.1	0.21	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Arsenic	5.5		0.54	0.18	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Barium	30		0.54	0.061	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Beryllium	0.53		0.21	0.050	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Cadmium	0.21	B	0.11	0.019	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Calcium	94000	B	110	18	mg/Kg	☼	10/18/19 09:44	10/21/19 11:44	10
Chromium	11		0.54	0.27	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Cobalt	10		0.27	0.070	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Copper	21		0.54	0.15	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Iron	12000		11	5.6	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Lead	24		0.27	0.12	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Magnesium	55000		54	27	mg/Kg	☼	10/18/19 09:44	10/21/19 11:44	10
Manganese	230		0.54	0.078	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Nickel	25		0.54	0.16	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Potassium	2700		27	9.5	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Selenium	0.69		0.54	0.32	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Silver	1.8		0.27	0.069	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Sodium	220		54	7.9	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Thallium	0.47	J	0.54	0.27	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Vanadium	15		0.27	0.063	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1
Zinc	45		1.1	0.47	mg/Kg	☼	10/18/19 09:44	10/20/19 11:43	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 09:58	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:35	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.052		0.018	0.0061	mg/Kg	☼	10/16/19 11:55	10/17/19 08:12	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-39(4-10)-101119**

**Lab Sample ID: 500-171647-8**

**Date Collected: 10/11/19 00:10**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**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	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
1,1-Dichloroethane	<0.0015		0.0015	0.00053	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Acetone	<0.015		0.015	0.0067	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Carbon disulfide	<0.0039		0.0039	0.00080	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Carbon tetrachloride	<0.0015		0.0015	0.00045	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Chlorobenzene	<0.0015		0.0015	0.00057	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Chloroethane	<0.0039 *		0.0039	0.0011	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Chloromethane	<0.0039		0.0039	0.0015	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Ethylbenzene	<0.0015		0.0015	0.00074	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
methyl isobutyl ketone	<0.0039		0.0039	0.0011	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Styrene	<0.0015		0.0015	0.00047	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	☼	10/11/19 19:10	10/19/19 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/11/19 19:10	10/19/19 17:10	1
4-Bromofluorobenzene (Surr)	94		75 - 131	10/11/19 19:10	10/19/19 17:10	1
Dibromofluoromethane	101		75 - 126	10/11/19 19:10	10/19/19 17:10	1
Toluene-d8 (Surr)	96		75 - 124	10/11/19 19:10	10/19/19 17:10	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-39(4-10)-101119**

**Lab Sample ID: 500-171647-8**

**Date Collected: 10/11/19 00:10**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**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	<0.40		0.40	0.092	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
<b>2-Methylnaphthalene</b>	<b>0.018</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
<b>Acenaphthene</b>	<b>0.014</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
<b>Chrysene</b>	<b>0.042</b>		0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
<b>Fluoranthene</b>	<b>0.010</b>	<b>J</b>	0.040	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-39(4-10)-101119**

**Lab Sample ID: 500-171647-8**

Date Collected: 10/11/19 00:10

Matrix: Solid

Date Received: 10/11/19 17:10

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	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
<b>Phenanthrene</b>	<b>0.12</b>		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1
<b>Pyrene</b>	<b>0.038</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/18/19 07:37	10/19/19 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	75		31 - 143	10/18/19 07:37	10/19/19 01:55	1
2-Fluorobiphenyl	85		43 - 145	10/18/19 07:37	10/19/19 01:55	1
2-Fluorophenol	91		31 - 166	10/18/19 07:37	10/19/19 01:55	1
Nitrobenzene-d5	71		37 - 147	10/18/19 07:37	10/19/19 01:55	1
Phenol-d5	81		30 - 153	10/18/19 07:37	10/19/19 01:55	1
Terphenyl-d14	106		42 - 157	10/18/19 07:37	10/19/19 01:55	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:14	10/20/19 20:30	1
<b>Barium</b>	<b>0.16</b>	<b>J</b>	0.50	0.050	mg/L		10/18/19 09:14	10/20/19 20:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 20:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 20:30	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:30	1
<b>Cobalt</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:30	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:30	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 20:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 20:30	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:30	1
<b>Nickel</b>	<b>0.036</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:30	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 20:30	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:30	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 09:14	10/20/19 20:30	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		10/18/19 09:11	10/21/19 00:17	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 09:11	10/21/19 00:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/21/19 00:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/21/19 00:17	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:17	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:17	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:17	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:11	10/21/19 00:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:11	10/21/19 00:17	1
Manganese	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:17	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:17	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/21/19 00:17	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-39(4-10)-101119**

**Lab Sample ID: 500-171647-8**

Date Collected: 10/11/19 00:10

Matrix: Solid

Date Received: 10/11/19 17:10

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		10/18/19 09:11	10/21/19 00:17	1
Zinc	0.024	J ^	0.50	0.020	mg/L		10/18/19 09:11	10/21/19 00:17	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.2	0.23	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Arsenic	6.6		0.58	0.20	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Barium	42		0.58	0.066	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Beryllium	0.76		0.23	0.054	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Cadmium	0.11	J B	0.12	0.021	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Calcium	33000	B	12	2.0	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Chromium	16		0.58	0.29	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Cobalt	14		0.29	0.076	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Copper	32		0.58	0.16	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Iron	20000		12	6.0	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Lead	16		0.29	0.13	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Magnesium	18000		5.8	2.9	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Manganese	260		0.58	0.084	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Nickel	39		0.58	0.17	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Potassium	3300		29	10	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Selenium	0.66		0.58	0.34	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Silver	2.8		0.29	0.075	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Sodium	290		58	8.6	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Thallium	1.3		0.58	0.29	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Vanadium	20		0.29	0.068	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1
Zinc	57		1.2	0.51	mg/Kg	☼	10/18/19 09:44	10/20/19 11:47	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:00	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:36	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.018	0.0061	mg/Kg	☼	10/16/19 11:55	10/17/19 08:19	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.5		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-39(10-15)-101119**

**Lab Sample ID: 500-171647-9**

Date Collected: 10/11/19 00:15

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 77.5

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00063	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
1,1,2,2-Tetrachloroethane	<0.0019	*	0.0019	0.00060	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00081	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
1,1-Dichloroethane	<0.0019		0.0019	0.00065	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
1,1-Dichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
1,2-Dichloroethane	<0.0047		0.0047	0.0015	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
1,2-Dichloropropane	<0.0019		0.0019	0.00049	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00066	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
<b>Acetone</b>	<b>0.010</b>	<b>J</b>	0.019	0.0082	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Benzene	<0.0019		0.0019	0.00048	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Bromoform	<0.0019		0.0019	0.00055	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Bromomethane	<0.0047		0.0047	0.0018	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Carbon disulfide	<0.0047		0.0047	0.00098	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Carbon tetrachloride	<0.0019		0.0019	0.00055	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Chlorobenzene	<0.0019		0.0019	0.00070	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Chloroethane	<0.0047	*	0.0047	0.0014	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Chloroform	<0.0019		0.0019	0.00066	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Chloromethane	<0.0047		0.0047	0.0019	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00053	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00057	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Dibromochloromethane	<0.0019		0.0019	0.00062	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Ethylbenzene	<0.0019		0.0019	0.00090	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Methyl Ethyl Ketone	<0.0047		0.0047	0.0021	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
methyl isobutyl ketone	<0.0047		0.0047	0.0014	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Methylene Chloride	<0.0047		0.0047	0.0019	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Styrene	<0.0019		0.0019	0.00057	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Tetrachloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
<b>Toluene</b>	<b>0.00056</b>	<b>J</b>	0.0019	0.00048	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00084	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Trichloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Vinyl chloride	<0.0019		0.0019	0.00084	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1
Xylenes, Total	<0.0038		0.0038	0.00060	mg/Kg	☼	10/11/19 00:15	10/19/19 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		70 - 134	10/11/19 00:15	10/19/19 17:35	1
4-Bromofluorobenzene (Surr)	148	X *	75 - 131	10/11/19 00:15	10/19/19 17:35	1
Dibromofluoromethane	105		75 - 126	10/11/19 00:15	10/19/19 17:35	1
Toluene-d8 (Surr)	119		75 - 124	10/11/19 00:15	10/19/19 17:35	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-39(10-15)-101119**

**Lab Sample ID: 500-171647-9**

**Date Collected: 10/11/19 00:15**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**Percent Solids: 77.5**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.42		0.42	0.096	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
2,4,6-Trichlorophenol	<0.42		0.42	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
2,4-Dichlorophenol	<0.42		0.42	0.10	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
2,4-Dinitrophenol	<0.85		0.85	0.74	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
2,4-Dinitrotoluene	<0.21		0.21	0.067	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
2,6-Dinitrotoluene	<0.21		0.21	0.083	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
2-Chlorophenol	<0.21		0.21	0.072	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
<b>2-Methylnaphthalene</b>	<b>0.056</b>	<b>J</b>	0.085	0.0077	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
2-Nitrophenol	<0.42		0.42	0.099	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
3 & 4 Methylphenol	<0.21		0.21	0.070	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.059	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
4,6-Dinitro-2-methylphenol	<0.85		0.85	0.34	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
4-Chloroaniline	<0.85		0.85	0.20	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
4-Nitrophenol	<0.85		0.85	0.40	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Acenaphthene	<0.042		0.042	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Acenaphthylene	<0.042		0.042	0.0055	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Anthracene	<0.042		0.042	0.0070	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Benzo[a]anthracene	<0.042		0.042	0.0056	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Benzo[a]pyrene	<0.042		0.042	0.0081	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Benzo[b]fluoranthene	<0.042		0.042	0.0091	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Benzo[g,h,i]perylene	<0.042		0.042	0.014	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Benzo[k]fluoranthene	<0.042		0.042	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.077	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Butyl benzyl phthalate	<0.21		0.21	0.080	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
<b>Chrysene</b>	<b>0.034</b>	<b>J</b>	0.042	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0081	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Fluoranthene	<0.042		0.042	0.0078	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Fluorene	<0.042		0.042	0.0059	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Hexachlorobenzene	<0.085		0.085	0.0097	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Hexachlorocyclopentadiene	<0.85		0.85	0.24	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Hexachloroethane	<0.21		0.21	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-39(10-15)-101119**

**Lab Sample ID: 500-171647-9**

Date Collected: 10/11/19 00:15

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 77.5

**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	<0.042		0.042	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
<b>Naphthalene</b>	<b>0.013</b>	<b>J</b>	0.042	0.0065	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Nitrobenzene	<0.042		0.042	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
N-Nitrosodi-n-propylamine	<0.085		0.085	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
N-Nitrosodiphenylamine	<0.21		0.21	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Pentachlorophenol	<0.85		0.85	0.67	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
<b>Phenanthrene</b>	<b>0.13</b>		0.042	0.0059	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Phenol	<0.21		0.21	0.093	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
<b>Pyrene</b>	<b>0.025</b>	<b>J</b>	0.042	0.0083	mg/Kg	☼	10/18/19 07:37	10/19/19 02:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	53		31 - 143				10/18/19 07:37	10/19/19 02:22	1
2-Fluorobiphenyl	83		43 - 145				10/18/19 07:37	10/19/19 02:22	1
2-Fluorophenol	86		31 - 166				10/18/19 07:37	10/19/19 02:22	1
Nitrobenzene-d5	68		37 - 147				10/18/19 07:37	10/19/19 02:22	1
Phenol-d5	74		30 - 153				10/18/19 07:37	10/19/19 02:22	1
Terphenyl-d14	112		42 - 157				10/18/19 07:37	10/19/19 02:22	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:14	10/20/19 20:35	1
<b>Barium</b>	<b>0.63</b>		0.50	0.050	mg/L		10/18/19 09:14	10/20/19 20:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 20:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 20:35	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:35	1
<b>Cobalt</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:35	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:35	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 20:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 20:35	1
<b>Manganese</b>	<b>1.2</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:35	1
<b>Nickel</b>	<b>0.044</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:35	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 20:35	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:35	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 09:14	10/20/19 20:35	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:11	10/21/19 00:21	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 09:11	10/21/19 00:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/21/19 00:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/21/19 00:21	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:21	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:21	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:21	1
<b>Iron</b>	<b>0.39</b>	<b>J</b>	0.40	0.20	mg/L		10/18/19 09:11	10/21/19 00:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:11	10/21/19 00:21	1
<b>Manganese</b>	<b>0.025</b>		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:21	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:21	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/21/19 00:21	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-39(10-15)-101119**

**Lab Sample ID: 500-171647-9**

Date Collected: 10/11/19 00:15

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 77.5

**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		10/18/19 09:11	10/21/19 00:21	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/18/19 09:11	10/21/19 00:21	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.2	0.24	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Arsenic	7.0		0.61	0.21	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Barium	36		0.61	0.070	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Beryllium	0.79		0.24	0.057	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Cadmium	0.16	B	0.12	0.022	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Calcium	47000	B	120	21	mg/Kg	☼	10/18/19 09:44	10/21/19 12:40	10
Chromium	18		0.61	0.30	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Cobalt	15		0.31	0.080	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Copper	33		0.61	0.17	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Iron	22000		12	6.4	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Lead	15		0.31	0.14	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Magnesium	20000		6.1	3.0	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Manganese	310		0.61	0.089	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Nickel	38		0.61	0.18	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Potassium	3900		31	11	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Selenium	0.95		0.61	0.36	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Silver	2.7		0.31	0.079	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Sodium	220		61	9.0	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Thallium	1.1		0.61	0.31	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Vanadium	22		0.31	0.072	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1
Zinc	55		1.2	0.54	mg/Kg	☼	10/18/19 09:44	10/20/19 11:51	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:06	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:38	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.021	0.0070	mg/Kg	☼	10/16/19 11:55	10/17/19 08:21	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-101(3-4)-101119**

**Lab Sample ID: 500-171647-10**

Date Collected: 10/11/19 01:05

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 84.6

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00065	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Acetone	<0.015		0.015	0.0066	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Carbon disulfide	<0.0038		0.0038	0.00079	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Chloroethane	<0.0038 *		0.0038	0.0011	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Vinyl chloride	<0.0015		0.0015	0.00067	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1
Xylenes, Total	<0.0030		0.0030	0.00049	mg/Kg	☼	10/11/19 19:10	10/19/19 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/11/19 19:10	10/19/19 18:01	1
4-Bromofluorobenzene (Surr)	97		75 - 131	10/11/19 19:10	10/19/19 18:01	1
Dibromofluoromethane	102		75 - 126	10/11/19 19:10	10/19/19 18:01	1
Toluene-d8 (Surr)	96		75 - 124	10/11/19 19:10	10/19/19 18:01	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-101(3-4)-101119**

**Lab Sample ID: 500-171647-10**

Date Collected: 10/11/19 01:05

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 84.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
<b>2-Methylnaphthalene</b>	<b>0.049</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
<b>Benzo[a]anthracene</b>	<b>0.0070</b>	<b>J</b>	0.039	0.0052	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
<b>Chrysene</b>	<b>0.036</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Dibenzofuran	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
<b>Fluorene</b>	<b>0.012</b>	<b>J</b>	0.039	0.0055	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-101(3-4)-101119**

**Lab Sample ID: 500-171647-10**

Date Collected: 10/11/19 01:05

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 84.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
<b>Naphthalene</b>	<b>0.0099</b>	<b>J</b>	0.039	0.0060	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
<b>Phenanthrene</b>	<b>0.13</b>		0.039	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
<b>Pyrene</b>	<b>0.022</b>	<b>J</b>	0.039	0.0077	mg/Kg	☼	10/18/19 07:37	10/19/19 02:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	54		31 - 143				10/18/19 07:37	10/19/19 02:50	1
2-Fluorobiphenyl	77		43 - 145				10/18/19 07:37	10/19/19 02:50	1
2-Fluorophenol	82		31 - 166				10/18/19 07:37	10/19/19 02:50	1
Nitrobenzene-d5	60		37 - 147				10/18/19 07:37	10/19/19 02:50	1
Phenol-d5	71		30 - 153				10/18/19 07:37	10/19/19 02:50	1
Terphenyl-d14	102		42 - 157				10/18/19 07:37	10/19/19 02:50	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:14	10/20/19 20:47	1
<b>Barium</b>	<b>0.63</b>		0.50	0.050	mg/L		10/18/19 09:14	10/20/19 20:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 20:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 20:47	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:47	1
<b>Cobalt</b>	<b>0.016</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:47	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:47	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 20:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 20:47	1
<b>Manganese</b>	<b>1.4</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:47	1
<b>Nickel</b>	<b>0.052</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:47	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 20:47	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:47	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 09:14	10/20/19 20:47	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		10/18/19 09:11	10/21/19 00:34	1
<b>Barium</b>	<b>0.073</b>	<b>J</b>	0.50	0.050	mg/L		10/18/19 09:11	10/21/19 00:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/21/19 00:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/21/19 00:34	1
<b>Chromium</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:34	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:34	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:34	1
<b>Iron</b>	<b>6.6</b>		0.40	0.20	mg/L		10/18/19 09:11	10/21/19 00:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:11	10/21/19 00:34	1
<b>Manganese</b>	<b>0.066</b>		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:34	1
<b>Nickel</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:34	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/21/19 00:34	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-101(3-4)-101119**

**Lab Sample ID: 500-171647-10**

Date Collected: 10/11/19 01:05

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 84.6

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:34	1
Zinc	0.023	J ^	0.50	0.020	mg/L		10/18/19 09:11	10/21/19 00:34	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.46	J	1.1	0.21	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Arsenic	7.8		0.54	0.18	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Barium	36		0.54	0.061	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Beryllium	0.73		0.22	0.050	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Cadmium	0.15	B	0.11	0.019	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Calcium	51000	B	110	18	mg/Kg	☼	10/18/19 09:44	10/21/19 12:44	10
Chromium	15		0.54	0.27	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Cobalt	15		0.27	0.071	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Copper	33		0.54	0.15	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Iron	20000		11	5.6	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Lead	15		0.27	0.12	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Magnesium	22000		5.4	2.7	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Manganese	320		0.54	0.078	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Nickel	38		0.54	0.16	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Potassium	3500		27	9.5	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Selenium	0.88		0.54	0.32	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Silver	2.5		0.27	0.070	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Sodium	820		54	8.0	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Thallium	0.86		0.54	0.27	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Vanadium	19		0.27	0.064	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1
Zinc	50		1.1	0.47	mg/Kg	☼	10/18/19 09:44	10/20/19 12:03	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:11	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:40	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.017	0.0057	mg/Kg	☼	10/16/19 11:55	10/17/19 08:23	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-102(4-7)-101119**

**Lab Sample ID: 500-171647-11**

**Date Collected: 10/11/19 01:30**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**Percent Solids: 80.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
1,2-Dichloroethane	<0.0043		0.0043	0.0014	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
2-Hexanone	<0.0043		0.0043	0.0014	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Acetone	<0.017		0.017	0.0076	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Chloroethane	<0.0043 *		0.0043	0.0013	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/11/19 19:10	10/19/19 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/11/19 19:10	10/19/19 18:27	1
4-Bromofluorobenzene (Surr)	94		75 - 131	10/11/19 19:10	10/19/19 18:27	1
Dibromofluoromethane	102		75 - 126	10/11/19 19:10	10/19/19 18:27	1
Toluene-d8 (Surr)	94		75 - 124	10/11/19 19:10	10/19/19 18:27	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

Client Sample ID: ROW-102(4-7)-101119

Lab Sample ID: 500-171647-11

Date Collected: 10/11/19 01:30

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 80.6

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
<b>2-Methylnaphthalene</b>	<b>0.051</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
<b>Acenaphthene</b>	<b>0.053</b>		0.040	0.0072	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
<b>Anthracene</b>	<b>0.027</b>	<b>J</b>	0.040	0.0067	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
<b>Benzo[a]anthracene</b>	<b>0.033</b>	<b>J</b>	0.040	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
<b>Benzo[a]pyrene</b>	<b>0.034</b>	<b>J</b>	0.040	0.0077	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
<b>Benzo[b]fluoranthene</b>	<b>0.039</b>	<b>J</b>	0.040	0.0086	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
<b>Benzo[g,h,i]perylene</b>	<b>0.023</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
<b>Benzo[k]fluoranthene</b>	<b>0.017</b>	<b>J</b>	0.040	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
<b>Chrysene</b>	<b>0.060</b>		0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
<b>Dibenzofuran</b>	<b>0.058</b>	<b>J</b>	0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
<b>Fluoranthene</b>	<b>0.092</b>		0.040	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
<b>Fluorene</b>	<b>0.039</b>	<b>J</b>	0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1

Eurolins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-102(4-7)-101119**

**Lab Sample ID: 500-171647-11**

Date Collected: 10/11/19 01:30

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 80.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
<b>Naphthalene</b>	<b>0.077</b>		0.040	0.0061	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
<b>Phenanthrene</b>	<b>0.22</b>		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
<b>Pyrene</b>	<b>0.12</b>		0.040	0.0079	mg/Kg	☼	10/18/19 07:37	10/19/19 03:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	67		31 - 143				10/18/19 07:37	10/19/19 03:17	1
2-Fluorobiphenyl	79		43 - 145				10/18/19 07:37	10/19/19 03:17	1
2-Fluorophenol	83		31 - 166				10/18/19 07:37	10/19/19 03:17	1
Nitrobenzene-d5	64		37 - 147				10/18/19 07:37	10/19/19 03:17	1
Phenol-d5	71		30 - 153				10/18/19 07:37	10/19/19 03:17	1
Terphenyl-d14	98		42 - 157				10/18/19 07:37	10/19/19 03:17	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		10/18/19 09:14	10/20/19 20:51	1
<b>Barium</b>	<b>0.56</b>		0.50	0.050	mg/L		10/18/19 09:14	10/20/19 20:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 20:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 20:51	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:51	1
<b>Cobalt</b>	<b>0.012 J</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:51	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:51	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 20:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 20:51	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:51	1
<b>Nickel</b>	<b>0.030</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:51	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 20:51	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:51	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 09:14	10/20/19 20:51	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		10/18/19 09:11	10/21/19 00:38	1
<b>Barium</b>	<b>0.050 J</b>		0.50	0.050	mg/L		10/18/19 09:11	10/21/19 00:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/21/19 00:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/21/19 00:38	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:38	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:38	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:38	1
<b>Iron</b>	<b>5.0</b>		0.40	0.20	mg/L		10/18/19 09:11	10/21/19 00:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:11	10/21/19 00:38	1
<b>Manganese</b>	<b>0.043</b>		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:38	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:38	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/21/19 00:38	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-102(4-7)-101119**

**Lab Sample ID: 500-171647-11**

Date Collected: 10/11/19 01:30

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 80.6

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:38	1
Zinc	0.025	J ^	0.50	0.020	mg/L		10/18/19 09:11	10/21/19 00:38	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.53	J	1.2	0.23	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Arsenic	10		0.60	0.20	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Barium	35		0.60	0.068	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Beryllium	0.76		0.24	0.056	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Cadmium	0.12	B	0.12	0.022	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Calcium	29000	B	12	2.0	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Chromium	16		0.60	0.30	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Cobalt	18		0.30	0.078	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Copper	41		0.60	0.17	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Iron	23000		12	6.2	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Lead	19		0.30	0.14	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Magnesium	17000		6.0	3.0	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Manganese	300		0.60	0.087	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Nickel	45		0.60	0.17	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Potassium	3400		30	11	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Selenium	0.81		0.60	0.35	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Silver	2.4		0.30	0.077	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Sodium	970		60	8.9	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Thallium	1.2		0.60	0.30	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Vanadium	19		0.30	0.071	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1
Zinc	49		1.2	0.53	mg/Kg	☼	10/18/19 09:44	10/20/19 12:07	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:13	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020	F1	0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:41	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.020	0.0065	mg/Kg	☼	10/16/19 11:55	10/17/19 08:25	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-101(4-7)-101119**

**Lab Sample ID: 500-171647-12**

Date Collected: 10/11/19 01:10

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 81.9

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
1,1,2,2-Tetrachloroethane	<0.0017	*	0.0017	0.00055	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Acetone	<0.017		0.017	0.0075	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Chloroethane	<0.0043	*	0.0043	0.0013	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
<b>Toluene</b>	<b>0.00052</b>	<b>J</b>	0.0017	0.00043	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	10/11/19 01:10	10/19/19 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	10/11/19 01:10	10/19/19 18:52	1
4-Bromofluorobenzene (Surr)	134	X *	75 - 131	10/11/19 01:10	10/19/19 18:52	1
Dibromofluoromethane	105		75 - 126	10/11/19 01:10	10/19/19 18:52	1
Toluene-d8 (Surr)	109		75 - 124	10/11/19 01:10	10/19/19 18:52	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-101(4-7)-101119**

**Lab Sample ID: 500-171647-12**

**Date Collected: 10/11/19 01:10**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**Percent Solids: 81.9**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
<b>2-Methylnaphthalene</b>	<b>0.058</b>	<b>J</b>	0.082	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
<b>Anthracene</b>	<b>0.0068</b>	<b>J</b>	0.040	0.0068	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
<b>Chrysene</b>	<b>0.041</b>		0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-101(4-7)-101119**

**Lab Sample ID: 500-171647-12**

Date Collected: 10/11/19 01:10

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 81.9

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
<b>Naphthalene</b>	<b>0.014</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
<b>Phenanthrene</b>	<b>0.16</b>		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
<b>Pyrene</b>	<b>0.030</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/18/19 07:37	10/19/19 03:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		31 - 143				10/18/19 07:37	10/19/19 03:45	1
2-Fluorobiphenyl	80		43 - 145				10/18/19 07:37	10/19/19 03:45	1
2-Fluorophenol	84		31 - 166				10/18/19 07:37	10/19/19 03:45	1
Nitrobenzene-d5	65		37 - 147				10/18/19 07:37	10/19/19 03:45	1
Phenol-d5	73		30 - 153				10/18/19 07:37	10/19/19 03:45	1
Terphenyl-d14	108		42 - 157				10/18/19 07:37	10/19/19 03:45	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		10/18/19 09:14	10/20/19 20:56	1
<b>Barium</b>	<b>0.63</b>		0.50	0.050	mg/L		10/18/19 09:14	10/20/19 20:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 20:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 20:56	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:56	1
<b>Cobalt</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:56	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:56	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 20:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 20:56	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:56	1
<b>Nickel</b>	<b>0.051</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:56	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 20:56	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 20:56	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 09:14	10/20/19 20:56	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		10/18/19 09:11	10/21/19 00:42	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 09:11	10/21/19 00:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/21/19 00:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/21/19 00:42	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:42	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:42	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:42	1
<b>Iron</b>	<b>1.1</b>		0.40	0.20	mg/L		10/18/19 09:11	10/21/19 00:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:11	10/21/19 00:42	1
<b>Manganese</b>	<b>0.023</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:42	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:42	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/21/19 00:42	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-101(4-7)-101119**

**Lab Sample ID: 500-171647-12**

Date Collected: 10/11/19 01:10

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 81.9

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:42	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/18/19 09:11	10/21/19 00:42	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.49	J	1.2	0.23	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Arsenic	8.6		0.59	0.20	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Barium	38		0.59	0.067	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Beryllium	0.77		0.24	0.055	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Cadmium	0.10	J B	0.12	0.021	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Calcium	45000	B	120	20	mg/Kg	☼	10/18/19 09:44	10/21/19 12:48	10
Chromium	16		0.59	0.29	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Cobalt	16		0.30	0.077	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Copper	34		0.59	0.17	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Iron	21000		12	6.1	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Lead	15		0.30	0.14	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Magnesium	21000		5.9	2.9	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Manganese	340		0.59	0.086	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Nickel	40		0.59	0.17	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Potassium	3400		30	10	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Selenium	1.2		0.59	0.35	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Silver	2.6		0.30	0.076	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Sodium	660		59	8.7	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Thallium	0.99		0.59	0.29	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Vanadium	20		0.30	0.070	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1
Zinc	49		1.2	0.52	mg/Kg	☼	10/18/19 09:44	10/20/19 12:11	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:15	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:50	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.020	0.0067	mg/Kg	☼	10/16/19 11:55	10/17/19 08:34	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-101(4-7)-101119D**

**Lab Sample ID: 500-171647-13**

**Date Collected: 10/11/19 01:10**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**Percent Solids: 82.2**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Acetone	<0.016		0.016	0.0071	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Bromomethane	<0.0041 *		0.0041	0.0015	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Carbon disulfide	<0.0041		0.0041	0.00085	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Chloroform	<0.0016		0.0016	0.00057	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00046	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Tetrachloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1
Xylenes, Total	<0.0033		0.0033	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 134	10/11/19 19:10	10/19/19 12:30	1
4-Bromofluorobenzene (Surr)	104		75 - 131	10/11/19 19:10	10/19/19 12:30	1
Dibromofluoromethane	90		75 - 126	10/11/19 19:10	10/19/19 12:30	1
Toluene-d8 (Surr)	100		75 - 124	10/11/19 19:10	10/19/19 12:30	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-101(4-7)-101119D**

**Lab Sample ID: 500-171647-13**

**Date Collected: 10/11/19 01:10**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**Percent Solids: 82.2**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
<b>2-Methylnaphthalene</b>	<b>0.032</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
<b>Chrysene</b>	<b>0.029</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
<b>Fluorene</b>	<b>0.0069</b>	<b>J</b>	0.040	0.0057	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Hexachlorobenzene	<0.081		0.081	0.0094	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1

Euofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-101(4-7)-101119D**

**Lab Sample ID: 500-171647-13**

Date Collected: 10/11/19 01:10

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 82.2

**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	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
<b>Phenanthrene</b>	<b>0.11</b>		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
<b>Pyrene</b>	<b>0.018</b>	<b>J</b>	0.040	0.0080	mg/Kg	☼	10/18/19 07:37	10/19/19 04:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63		31 - 143				10/18/19 07:37	10/19/19 04:12	1
2-Fluorobiphenyl	76		43 - 145				10/18/19 07:37	10/19/19 04:12	1
2-Fluorophenol	84		31 - 166				10/18/19 07:37	10/19/19 04:12	1
Nitrobenzene-d5	63		37 - 147				10/18/19 07:37	10/19/19 04:12	1
Phenol-d5	74		30 - 153				10/18/19 07:37	10/19/19 04:12	1
Terphenyl-d14	114		42 - 157				10/18/19 07:37	10/19/19 04:12	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:14	10/20/19 21:00	1
<b>Barium</b>	<b>0.69</b>		0.50	0.050	mg/L		10/18/19 09:14	10/20/19 21:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 21:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 21:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:00	1
<b>Cobalt</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:00	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:00	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 21:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 21:00	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:00	1
<b>Nickel</b>	<b>0.051</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 21:00	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:00	1
<b>Zinc</b>	<b>0.023</b>	<b>J</b>	0.50	0.020	mg/L		10/18/19 09:14	10/20/19 21:00	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:11	10/21/19 00:46	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 09:11	10/21/19 00:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/21/19 00:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/21/19 00:46	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:46	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:46	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:46	1
<b>Iron</b>	<b>0.79</b>		0.40	0.20	mg/L		10/18/19 09:11	10/21/19 00:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:11	10/21/19 00:46	1
<b>Manganese</b>	<b>0.028</b>		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:46	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:46	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/21/19 00:46	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-101(4-7)-101119D**

**Lab Sample ID: 500-171647-13**

Date Collected: 10/11/19 01:10

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 82.2

**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		10/18/19 09:11	10/21/19 00:46	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/18/19 09:11	10/21/19 00:46	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J	1.1	0.22	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Arsenic	7.4		0.57	0.19	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Barium	37		0.57	0.065	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Beryllium	0.73		0.23	0.053	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Cadmium	0.12	B	0.11	0.021	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Calcium	48000	B	110	19	mg/Kg	☼	10/18/19 09:44	10/21/19 12:52	10
Chromium	17		0.57	0.28	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Cobalt	15		0.29	0.075	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Copper	32		0.57	0.16	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Iron	20000		11	5.9	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Lead	14		0.29	0.13	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Magnesium	21000		5.7	2.8	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Manganese	300		0.57	0.083	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Nickel	38		0.57	0.17	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Potassium	3800		29	10	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Selenium	0.85		0.57	0.34	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Silver	2.5		0.29	0.074	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Sodium	750		57	8.4	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Thallium	1.1		0.57	0.28	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Vanadium	20		0.29	0.067	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1
Zinc	48		1.1	0.50	mg/Kg	☼	10/18/19 09:44	10/20/19 12:14	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:16	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:52	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.020	0.0065	mg/Kg	☼	10/16/19 11:55	10/17/19 08:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-103(2-4)-101119**

**Lab Sample ID: 500-171647-14**

**Date Collected: 10/11/19 01:40**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**Percent Solids: 84.0**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00065	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Acetone	<0.015		0.015	0.0066	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Bromomethane	<0.0038 *		0.0038	0.0014	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Carbon disulfide	<0.0038		0.0038	0.00078	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Vinyl chloride	<0.0015		0.0015	0.00067	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☼	10/11/19 19:10	10/21/19 12:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	10/11/19 19:10	10/21/19 12:00	1
4-Bromofluorobenzene (Surr)	106		75 - 131	10/11/19 19:10	10/21/19 12:00	1
Dibromofluoromethane	94		75 - 126	10/11/19 19:10	10/21/19 12:00	1
Toluene-d8 (Surr)	96		75 - 124	10/11/19 19:10	10/21/19 12:00	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-103(2-4)-101119**

**Lab Sample ID: 500-171647-14**

Date Collected: 10/11/19 01:40

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 84.0

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
<b>2-Methylnaphthalene</b>	<b>0.050</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
<b>Anthracene</b>	<b>0.0082</b>	<b>J</b>	0.039	0.0065	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
<b>Benzo[a]anthracene</b>	<b>0.031</b>	<b>J</b>	0.039	0.0052	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
<b>Benzo[a]pyrene</b>	<b>0.027</b>	<b>J</b>	0.039	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
<b>Benzo[b]fluoranthene</b>	<b>0.040</b>		0.039	0.0084	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
<b>Benzo[g,h,i]perylene</b>	<b>0.019</b>	<b>J</b>	0.039	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
<b>Benzo[k]fluoranthene</b>	<b>0.021</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
<b>Chrysene</b>	<b>0.056</b>		0.039	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
<b>Fluoranthene</b>	<b>0.045</b>		0.039	0.0072	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
<b>Fluorene</b>	<b>0.0093</b>	<b>J</b>	0.039	0.0055	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-103(2-4)-101119**

**Lab Sample ID: 500-171647-14**

Date Collected: 10/11/19 01:40

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 84.0

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
<b>Naphthalene</b>	<b>0.013</b>	<b>J</b>	0.039	0.0060	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
<b>Phenanthrene</b>	<b>0.15</b>		0.039	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
<b>Pyrene</b>	<b>0.070</b>		0.039	0.0077	mg/Kg	☼	10/18/19 07:37	10/19/19 04:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		31 - 143				10/18/19 07:37	10/19/19 04:40	1
2-Fluorobiphenyl	90		43 - 145				10/18/19 07:37	10/19/19 04:40	1
2-Fluorophenol	91		31 - 166				10/18/19 07:37	10/19/19 04:40	1
Nitrobenzene-d5	73		37 - 147				10/18/19 07:37	10/19/19 04:40	1
Phenol-d5	81		30 - 153				10/18/19 07:37	10/19/19 04:40	1
Terphenyl-d14	120		42 - 157				10/18/19 07:37	10/19/19 04:40	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:14	10/20/19 21:04	1
<b>Barium</b>	<b>0.51</b>		0.50	0.050	mg/L		10/18/19 09:14	10/20/19 21:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 21:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 21:04	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:04	1
<b>Cobalt</b>	<b>0.023</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:04	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:04	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 21:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 21:04	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:04	1
<b>Nickel</b>	<b>0.056</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:04	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 21:04	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:04	1
<b>Zinc</b>	<b>0.023</b>	<b>J</b>	0.50	0.020	mg/L		10/18/19 09:14	10/20/19 21:04	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:11	10/21/19 00:50	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 09:11	10/21/19 00:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/21/19 00:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/21/19 00:50	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:50	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:50	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:50	1
<b>Iron</b>	<b>0.28</b>	<b>J</b>	0.40	0.20	mg/L		10/18/19 09:11	10/21/19 00:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:11	10/21/19 00:50	1
<b>Manganese</b>	<b>0.023</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:50	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:50	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/21/19 00:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-103(2-4)-101119**

**Lab Sample ID: 500-171647-14**

Date Collected: 10/11/19 01:40

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 84.0

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:50	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/18/19 09:11	10/21/19 00:50	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.56	J	1.2	0.23	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Arsenic	12		0.58	0.20	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Barium	34		0.58	0.066	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Beryllium	0.78		0.23	0.054	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Cadmium	0.16	B	0.12	0.021	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Calcium	49000	B	120	20	mg/Kg	☼	10/18/19 09:44	10/21/19 12:56	10
Chromium	16		0.58	0.29	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Cobalt	17		0.29	0.076	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Copper	37		0.58	0.16	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Iron	23000		12	6.0	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Lead	20		0.29	0.13	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Magnesium	22000		5.8	2.9	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Manganese	350		0.58	0.084	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Nickel	40		0.58	0.17	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Potassium	3700		29	10	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Selenium	1.1		0.58	0.34	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Silver	2.5		0.29	0.075	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Sodium	430		58	8.6	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Thallium	0.79		0.58	0.29	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Vanadium	20		0.29	0.069	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1
Zinc	65		1.2	0.51	mg/Kg	☼	10/18/19 09:44	10/20/19 12:18	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:18	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:53	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.018	0.0060	mg/Kg	☼	10/16/19 11:55	10/17/19 08:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-103(4-7)-101119**

**Lab Sample ID: 500-171647-15**

**Date Collected: 10/11/19 01:50**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**Percent Solids: 80.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00063	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
1,1,2,2-Tetrachloroethane	<0.0019	*	0.0019	0.00060	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00081	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
1,1-Dichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
1,2-Dichloroethane	<0.0047		0.0047	0.0015	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
1,2-Dichloropropane	<0.0019		0.0019	0.00049	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00066	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Acetone	<0.019		0.019	0.0082	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Benzene	<0.0019		0.0019	0.00048	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Bromoform	<0.0019		0.0019	0.00055	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Bromomethane	<0.0047	*	0.0047	0.0018	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Carbon disulfide	<0.0047		0.0047	0.00098	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Chlorobenzene	<0.0019		0.0019	0.00069	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Chloroethane	<0.0047		0.0047	0.0014	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Chloroform	<0.0019		0.0019	0.00065	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Chloromethane	<0.0047		0.0047	0.0019	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00057	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Ethylbenzene	<0.0019		0.0019	0.00090	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Methyl Ethyl Ketone	<0.0047		0.0047	0.0021	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
methyl isobutyl ketone	<0.0047		0.0047	0.0014	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Methylene Chloride	<0.0047		0.0047	0.0018	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Styrene	<0.0019		0.0019	0.00057	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Tetrachloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
<b>Toluene</b>	<b>0.00061</b>	<b>J</b>	0.0019	0.00047	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00083	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Vinyl chloride	<0.0019		0.0019	0.00083	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1
Xylenes, Total	<0.0038		0.0038	0.00060	mg/Kg	☼	10/11/19 01:50	10/19/19 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	10/11/19 01:50	10/19/19 13:29	1
4-Bromofluorobenzene (Surr)	133	X *	75 - 131	10/11/19 01:50	10/19/19 13:29	1
Dibromofluoromethane	103		75 - 126	10/11/19 01:50	10/19/19 13:29	1
Toluene-d8 (Surr)	110		75 - 124	10/11/19 01:50	10/19/19 13:29	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-103(4-7)-101119**

**Lab Sample ID: 500-171647-15**

Date Collected: 10/11/19 01:50

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 80.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
<b>2-Methylnaphthalene</b>	<b>0.040</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
<b>Benzo[a]anthracene</b>	<b>0.0090</b>	<b>J</b>	0.039	0.0053	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
<b>Benzo[b]fluoranthene</b>	<b>0.015</b>	<b>J</b>	0.039	0.0085	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
<b>Benzo[g,h,i]perylene</b>	<b>0.017</b>	<b>J</b>	0.039	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
<b>Chrysene</b>	<b>0.030</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-103(4-7)-101119**

**Lab Sample ID: 500-171647-15**

Date Collected: 10/11/19 01:50

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 80.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
<b>Naphthalene</b>	<b>0.0093</b>	<b>J</b>	0.039	0.0061	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
<b>Phenanthrene</b>	<b>0.11</b>		0.039	0.0055	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
<b>Pyrene</b>	<b>0.027</b>	<b>J</b>	0.039	0.0079	mg/Kg	☼	10/18/19 07:37	10/19/19 05:07	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	62		31 - 143				10/18/19 07:37	10/19/19 05:07	1
2-Fluorobiphenyl	82		43 - 145				10/18/19 07:37	10/19/19 05:07	1
2-Fluorophenol	88		31 - 166				10/18/19 07:37	10/19/19 05:07	1
Nitrobenzene-d5	62		37 - 147				10/18/19 07:37	10/19/19 05:07	1
Phenol-d5	77		30 - 153				10/18/19 07:37	10/19/19 05:07	1
Terphenyl-d14	112		42 - 157				10/18/19 07:37	10/19/19 05:07	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:14	10/20/19 21:08	1
<b>Barium</b>	<b>0.48</b>	<b>J</b>	0.50	0.050	mg/L		10/18/19 09:14	10/20/19 21:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 21:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 21:08	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:08	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:08	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:08	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 21:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 21:08	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:08	1
<b>Nickel</b>	<b>0.037</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:08	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 21:08	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:08	1
<b>Zinc</b>	<b>0.025</b>	<b>J</b>	0.50	0.020	mg/L		10/18/19 09:14	10/20/19 21:08	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:11	10/21/19 00:54	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 09:11	10/21/19 00:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/21/19 00:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/21/19 00:54	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:54	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:54	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:54	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:11	10/21/19 00:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:11	10/21/19 00:54	1
<b>Manganese</b>	<b>0.023</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:54	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:54	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/21/19 00:54	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-103(4-7)-101119**

**Lab Sample ID: 500-171647-15**

Date Collected: 10/11/19 01:50

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 80.6

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:54	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/18/19 09:11	10/21/19 00:54	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.38	J	1.1	0.22	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Arsenic	7.3		0.57	0.20	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Barium	40		0.57	0.066	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Beryllium	0.72		0.23	0.054	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Cadmium	0.21	B	0.11	0.021	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Calcium	54000	B	110	19	mg/Kg	☼	10/18/19 09:44	10/21/19 13:00	10
Chromium	17		0.57	0.28	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Cobalt	14		0.29	0.075	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Copper	31		0.57	0.16	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Iron	20000		11	6.0	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Lead	14		0.29	0.13	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Magnesium	23000		5.7	2.9	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Manganese	330		0.57	0.083	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Nickel	36		0.57	0.17	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Potassium	3600		29	10	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Selenium	0.85		0.57	0.34	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Silver	2.6		0.29	0.074	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Sodium	430		57	8.5	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Thallium	0.82		0.57	0.29	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Vanadium	21		0.29	0.068	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1
Zinc	58		1.1	0.50	mg/Kg	☼	10/18/19 09:44	10/20/19 12:22	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:19	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:55	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.020	0.0067	mg/Kg	☼	10/16/19 11:55	10/17/19 08:44	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-104(3-4)-101119**

**Lab Sample ID: 500-171647-16**

**Date Collected: 10/11/19 02:15**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**Percent Solids: 83.7**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
1,2-Dichloroethane	<0.0040		0.0040	0.0013	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
2-Hexanone	<0.0040		0.0040	0.0013	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Acetone	<0.016		0.016	0.0070	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Bromomethane	<0.0040 *		0.0040	0.0015	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Carbon disulfide	<0.0040		0.0040	0.00084	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	10/11/19 19:10	10/19/19 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	10/11/19 19:10	10/19/19 18:59	1
4-Bromofluorobenzene (Surr)	103		75 - 131	10/11/19 19:10	10/19/19 18:59	1
Dibromofluoromethane	99		75 - 126	10/11/19 19:10	10/19/19 18:59	1
Toluene-d8 (Surr)	101		75 - 124	10/11/19 19:10	10/19/19 18:59	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-104(3-4)-101119**

**Lab Sample ID: 500-171647-16**

Date Collected: 10/11/19 02:15

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 83.7

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
<b>2-Methylnaphthalene</b>	<b>0.038</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
<b>Benzo[a]anthracene</b>	<b>0.0059</b>	<b>J</b>	0.039	0.0052	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
<b>Chrysene</b>	<b>0.025</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Dibenzofuran	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
<b>Fluorene</b>	<b>0.0072</b>	<b>J</b>	0.039	0.0055	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-104(3-4)-101119**

**Lab Sample ID: 500-171647-16**

Date Collected: 10/11/19 02:15

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 83.7

**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	<0.039		0.039	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
<b>Naphthalene</b>	<b>0.0092</b>	<b>J</b>	0.039	0.0060	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
<b>Phenanthrene</b>	<b>0.11</b>		0.039	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
<b>Pyrene</b>	<b>0.023</b>	<b>J</b>	0.039	0.0077	mg/Kg	☼	10/18/19 07:37	10/19/19 05:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		31 - 143				10/18/19 07:37	10/19/19 05:35	1
2-Fluorobiphenyl	78		43 - 145				10/18/19 07:37	10/19/19 05:35	1
2-Fluorophenol	83		31 - 166				10/18/19 07:37	10/19/19 05:35	1
Nitrobenzene-d5	61		37 - 147				10/18/19 07:37	10/19/19 05:35	1
Phenol-d5	71		30 - 153				10/18/19 07:37	10/19/19 05:35	1
Terphenyl-d14	114		42 - 157				10/18/19 07:37	10/19/19 05:35	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:14	10/20/19 21:13	1
<b>Barium</b>	<b>0.45</b>	<b>J</b>	0.50	0.050	mg/L		10/18/19 09:14	10/20/19 21:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 21:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 21:13	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:13	1
<b>Cobalt</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:13	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:13	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 21:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 21:13	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:13	1
<b>Nickel</b>	<b>0.039</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:13	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 21:13	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:13	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 09:14	10/20/19 21:13	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:11	10/21/19 00:58	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 09:11	10/21/19 00:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/21/19 00:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/21/19 00:58	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:58	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:58	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:58	1
<b>Iron</b>	<b>0.27</b>	<b>J</b>	0.40	0.20	mg/L		10/18/19 09:11	10/21/19 00:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:11	10/21/19 00:58	1
<b>Manganese</b>	<b>0.023</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:58	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 00:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/21/19 00:58	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-104(3-4)-101119**

**Lab Sample ID: 500-171647-16**

Date Collected: 10/11/19 02:15

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 83.7

**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		10/18/19 09:11	10/21/19 00:58	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/18/19 09:11	10/21/19 00:58	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.39	J	1.1	0.22	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Arsenic	9.0		0.56	0.19	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Barium	37		0.56	0.064	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Beryllium	0.67		0.23	0.053	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Cadmium	0.17	B	0.11	0.020	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Calcium	59000	B	110	19	mg/Kg	☼	10/18/19 09:44	10/21/19 13:04	10
Chromium	14		0.56	0.28	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Cobalt	15		0.28	0.074	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Copper	33		0.56	0.16	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Iron	20000		11	5.9	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Lead	16		0.28	0.13	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Magnesium	26000		5.6	2.8	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Manganese	390		0.56	0.082	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Nickel	36		0.56	0.16	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Potassium	3300		28	10	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Selenium	1.1		0.56	0.33	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Silver	2.4		0.28	0.073	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Sodium	360		56	8.3	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Thallium	0.86		0.56	0.28	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Vanadium	18		0.28	0.066	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1
Zinc	54		1.1	0.49	mg/Kg	☼	10/18/19 09:44	10/20/19 12:26	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:21	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:56	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.018	0.0060	mg/Kg	☼	10/16/19 11:55	10/17/19 08:46	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-107(3-4)-101119**

**Lab Sample ID: 500-171647-17**

**Date Collected: 10/11/19 02:05**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**Percent Solids: 84.3**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Acetone	<0.016		0.016	0.0069	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Bromomethane	<0.0040 *		0.0040	0.0015	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	10/11/19 19:10	10/19/19 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		70 - 134	10/11/19 19:10	10/19/19 19:25	1
4-Bromofluorobenzene (Surr)	104		75 - 131	10/11/19 19:10	10/19/19 19:25	1
Dibromofluoromethane	94		75 - 126	10/11/19 19:10	10/19/19 19:25	1
Toluene-d8 (Surr)	95		75 - 124	10/11/19 19:10	10/19/19 19:25	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-107(3-4)-101119**

**Lab Sample ID: 500-171647-17**

Date Collected: 10/11/19 02:05

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 84.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
<b>2-Methylnaphthalene</b>	<b>0.019</b>	<b>J</b>	0.077	0.0070	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
<b>Acenaphthene</b>	<b>0.0094</b>	<b>J</b>	0.038	0.0068	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
<b>Chrysene</b>	<b>0.028</b>	<b>J</b>	0.038	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1

Euofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-107(3-4)-101119**

**Lab Sample ID: 500-171647-17**

Date Collected: 10/11/19 02:05

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 84.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038		0.038	0.0099	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
<b>Naphthalene</b>	<b>0.0078</b>	<b>J</b>	0.038	0.0059	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
<b>Phenanthrene</b>	<b>0.12</b>		0.038	0.0053	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
<b>Pyrene</b>	<b>0.021</b>	<b>J</b>	0.038	0.0076	mg/Kg	☼	10/18/19 07:37	10/19/19 06:02	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	64		31 - 143				10/18/19 07:37	10/19/19 06:02	1
2-Fluorobiphenyl	59		43 - 145				10/18/19 07:37	10/19/19 06:02	1
2-Fluorophenol	59		31 - 166				10/18/19 07:37	10/19/19 06:02	1
Nitrobenzene-d5	41		37 - 147				10/18/19 07:37	10/19/19 06:02	1
Phenol-d5	50		30 - 153				10/18/19 07:37	10/19/19 06:02	1
Terphenyl-d14	114		42 - 157				10/18/19 07:37	10/19/19 06:02	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:14	10/20/19 21:17	1
<b>Barium</b>	<b>0.54</b>		0.50	0.050	mg/L		10/18/19 09:14	10/20/19 21:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 21:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 21:17	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:17	1
<b>Cobalt</b>	<b>0.028</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:17	1
<b>Copper</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:17	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 21:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 21:17	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:17	1
<b>Nickel</b>	<b>0.061</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:17	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 21:17	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:17	1
<b>Zinc</b>	<b>0.025</b>	<b>J</b>	0.50	0.020	mg/L		10/18/19 09:14	10/20/19 21:17	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:11	10/21/19 01:02	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 09:11	10/21/19 01:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/21/19 01:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/21/19 01:02	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 01:02	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 01:02	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 01:02	1
<b>Iron</b>	<b>0.31</b>	<b>J</b>	0.40	0.20	mg/L		10/18/19 09:11	10/21/19 01:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:11	10/21/19 01:02	1
<b>Manganese</b>	<b>0.020</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:11	10/21/19 01:02	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 01:02	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/21/19 01:02	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-107(3-4)-101119**

**Lab Sample ID: 500-171647-17**

Date Collected: 10/11/19 02:05

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 84.3

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 01:02	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/18/19 09:11	10/21/19 01:02	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.56	J	1.1	0.22	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Arsenic	5.2		0.56	0.19	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Barium	33		0.56	0.063	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Beryllium	0.59		0.22	0.052	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Cadmium	0.11	B	0.11	0.020	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Calcium	68000	B	110	19	mg/Kg	☼	10/18/19 09:44	10/21/19 13:08	10
Chromium	14		0.56	0.28	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Cobalt	11		0.28	0.073	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Copper	20		0.56	0.16	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Iron	16000		11	5.8	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Lead	8.9		0.28	0.13	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Magnesium	32000		5.6	2.8	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Manganese	290		0.56	0.081	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Nickel	29		0.56	0.16	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Potassium	3300		28	9.9	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Selenium	0.54	J	0.56	0.33	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Silver	2.4		0.28	0.072	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Sodium	300		56	8.2	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Thallium	0.84		0.56	0.28	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Vanadium	17		0.28	0.066	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1
Zinc	38		1.1	0.49	mg/Kg	☼	10/18/19 09:44	10/20/19 12:30	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:26	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 11:58	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.019	0.0063	mg/Kg	☼	10/16/19 11:55	10/17/19 08:49	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-106(3-4)-101119**

**Lab Sample ID: 500-171647-18**

**Date Collected: 10/11/19 02:00**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**Percent Solids: 81.5**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
1,1-Dichloroethane	<0.0015		0.0015	0.00053	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Acetone	<0.015		0.015	0.0067	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Bromomethane	<0.0038 *		0.0038	0.0015	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Carbon disulfide	<0.0038		0.0038	0.00080	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Carbon tetrachloride	<0.0015		0.0015	0.00045	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Chlorobenzene	<0.0015		0.0015	0.00057	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Ethylbenzene	<0.0015		0.0015	0.00074	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	☼	10/11/19 19:10	10/19/19 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	10/11/19 19:10	10/19/19 19:54	1
4-Bromofluorobenzene (Surr)	105		75 - 131	10/11/19 19:10	10/19/19 19:54	1
Dibromofluoromethane	98		75 - 126	10/11/19 19:10	10/19/19 19:54	1
Toluene-d8 (Surr)	96		75 - 124	10/11/19 19:10	10/19/19 19:54	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-106(3-4)-101119**

**Lab Sample ID: 500-171647-18**

Date Collected: 10/11/19 02:00

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 81.5

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
<b>2-Methylnaphthalene</b>	<b>0.036</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
<b>Acenaphthene</b>	<b>0.012</b>	<b>J</b>	0.040	0.0073	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
<b>Benzo[a]anthracene</b>	<b>0.0062</b>	<b>J</b>	0.040	0.0055	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Benzo[a]pyrene	<0.040		0.040	0.0079	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
<b>Chrysene</b>	<b>0.040</b>		0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
<b>Fluoranthene</b>	<b>0.013</b>	<b>J</b>	0.040	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-106(3-4)-101119**

**Lab Sample ID: 500-171647-18**

Date Collected: 10/11/19 02:00

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 81.5

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
<b>Naphthalene</b>	<b>0.0087</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
<b>Phenanthrene</b>	<b>0.12</b>		0.040	0.0057	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
<b>Pyrene</b>	<b>0.031</b>	<b>J</b>	0.040	0.0081	mg/Kg	☼	10/18/19 07:37	10/19/19 06:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	71		31 - 143				10/18/19 07:37	10/19/19 06:30	1
2-Fluorobiphenyl	88		43 - 145				10/18/19 07:37	10/19/19 06:30	1
2-Fluorophenol	89		31 - 166				10/18/19 07:37	10/19/19 06:30	1
Nitrobenzene-d5	72		37 - 147				10/18/19 07:37	10/19/19 06:30	1
Phenol-d5	79		30 - 153				10/18/19 07:37	10/19/19 06:30	1
Terphenyl-d14	122		42 - 157				10/18/19 07:37	10/19/19 06:30	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:14	10/20/19 21:21	1
<b>Barium</b>	<b>0.74</b>		0.50	0.050	mg/L		10/18/19 09:14	10/20/19 21:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 21:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 21:21	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:21	1
<b>Cobalt</b>	<b>0.026</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:21	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:21	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 21:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 21:21	1
<b>Manganese</b>	<b>2.0</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:21	1
<b>Nickel</b>	<b>0.062</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:21	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 21:21	1
Silver	<0.025	F1	0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:21	1
<b>Zinc</b>	<b>0.060</b>	<b>J</b>	0.50	0.020	mg/L		10/18/19 09:14	10/20/19 21:21	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		10/18/19 09:11	10/21/19 01:06	1
<b>Barium</b>	<b>0.052</b>	<b>J</b>	0.50	0.050	mg/L		10/18/19 09:11	10/21/19 01:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/21/19 01:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/21/19 01:06	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 01:06	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 01:06	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 01:06	1
<b>Iron</b>	<b>2.2</b>		0.40	0.20	mg/L		10/18/19 09:11	10/21/19 01:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:11	10/21/19 01:06	1
<b>Manganese</b>	<b>0.029</b>		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 01:06	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 01:06	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/21/19 01:06	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-106(3-4)-101119**

**Lab Sample ID: 500-171647-18**

Date Collected: 10/11/19 02:00

Matrix: Solid

Date Received: 10/11/19 17:10

Percent Solids: 81.5

**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		10/18/19 09:11	10/21/19 01:06	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/18/19 09:11	10/21/19 01:06	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.43	J	1.1	0.22	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Arsenic	7.0		0.56	0.19	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Barium	37		0.56	0.064	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Beryllium	0.68		0.23	0.053	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Cadmium	0.14	B	0.11	0.020	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Calcium	62000	B	110	19	mg/Kg	☼	10/18/19 09:44	10/21/19 13:12	10
Chromium	15		0.56	0.28	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Cobalt	13		0.28	0.074	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Copper	30		0.56	0.16	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Iron	20000		11	5.9	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Lead	14		0.28	0.13	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Magnesium	28000		5.6	2.8	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Manganese	430		0.56	0.082	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Nickel	34		0.56	0.16	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Potassium	3400		28	10	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Selenium	0.73		0.56	0.33	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Silver	2.4		0.28	0.073	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Sodium	580		56	8.3	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Thallium	0.74		0.56	0.28	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Vanadium	19		0.28	0.067	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1
Zinc	46		1.1	0.49	mg/Kg	☼	10/18/19 09:44	10/20/19 12:34	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:28	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 12:00	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.020	0.0066	mg/Kg	☼	10/16/19 11:55	10/17/19 08:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-105(3-4)-101119**

**Lab Sample ID: 500-171647-19**

**Date Collected: 10/11/19 01:55**

**Matrix: Solid**

**Date Received: 10/11/19 17:10**

**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	<0.0016		0.0016	0.00053	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Acetone	<0.016		0.016	0.0069	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Bromomethane	<0.0040 *		0.0040	0.0015	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Carbon disulfide	<0.0040		0.0040	0.00082	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	10/11/19 19:10	10/19/19 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		70 - 134	10/11/19 19:10	10/19/19 20:20	1
4-Bromofluorobenzene (Surr)	109		75 - 131	10/11/19 19:10	10/19/19 20:20	1
Dibromofluoromethane	91		75 - 126	10/11/19 19:10	10/19/19 20:20	1
Toluene-d8 (Surr)	97		75 - 124	10/11/19 19:10	10/19/19 20:20	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-105(3-4)-101119**

**Lab Sample ID: 500-171647-19**

Date Collected: 10/11/19 01:55

Matrix: Solid

Date Received: 10/11/19 17:10

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	<0.38		0.38	0.088	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
<b>2-Methylnaphthalene</b>	<b>0.024</b>	<b>J</b>	0.078	0.0071	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
<b>Acenaphthene</b>	<b>0.0073</b>	<b>J</b>	0.038	0.0069	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Benzo[a]pyrene	<0.038		0.038	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
<b>Chrysene</b>	<b>0.018</b>	<b>J</b>	0.038	0.011	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
<b>Fluoranthene</b>	<b>0.010</b>	<b>J</b>	0.038	0.0072	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1

Euofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-105(3-4)-101119**

**Lab Sample ID: 500-171647-19**

Date Collected: 10/11/19 01:55

Matrix: Solid

Date Received: 10/11/19 17:10

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	<0.038		0.038	0.010	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
<b>Naphthalene</b>	<b>0.0067</b>	<b>J</b>	0.038	0.0059	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
<b>Phenanthrene</b>	<b>0.090</b>		0.038	0.0054	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
<b>Pyrene</b>	<b>0.026</b>	<b>J</b>	0.038	0.0077	mg/Kg	☼	10/18/19 07:37	10/19/19 06:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	59		31 - 143				10/18/19 07:37	10/19/19 06:57	1
2-Fluorobiphenyl	78		43 - 145				10/18/19 07:37	10/19/19 06:57	1
2-Fluorophenol	82		31 - 166				10/18/19 07:37	10/19/19 06:57	1
Nitrobenzene-d5	63		37 - 147				10/18/19 07:37	10/19/19 06:57	1
Phenol-d5	70		30 - 153				10/18/19 07:37	10/19/19 06:57	1
Terphenyl-d14	110		42 - 157				10/18/19 07:37	10/19/19 06:57	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:14	10/20/19 21:46	1
<b>Barium</b>	<b>0.58</b>		0.50	0.050	mg/L		10/18/19 09:14	10/20/19 21:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:14	10/20/19 21:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:14	10/20/19 21:46	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:46	1
<b>Cobalt</b>	<b>0.020</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:46	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:46	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:14	10/20/19 21:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:14	10/20/19 21:46	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:46	1
<b>Nickel</b>	<b>0.050</b>		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:46	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:14	10/20/19 21:46	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:14	10/20/19 21:46	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 09:14	10/20/19 21:46	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		10/18/19 09:11	10/21/19 01:10	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 09:11	10/21/19 01:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:11	10/21/19 01:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:11	10/21/19 01:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 01:10	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 01:10	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 01:10	1
<b>Iron</b>	<b>0.35</b>	<b>J</b>	0.40	0.20	mg/L		10/18/19 09:11	10/21/19 01:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:11	10/21/19 01:10	1
<b>Manganese</b>	<b>0.022</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:11	10/21/19 01:10	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 09:11	10/21/19 01:10	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:11	10/21/19 01:10	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

**Client Sample ID: ROW-105(3-4)-101119**

**Lab Sample ID: 500-171647-19**

Date Collected: 10/11/19 01:55

Matrix: Solid

Date Received: 10/11/19 17:10

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		10/18/19 09:11	10/21/19 01:10	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/18/19 09:11	10/21/19 01:10	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.41	J	1.1	0.22	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Arsenic	4.5		0.56	0.19	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Barium	33		0.56	0.063	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Beryllium	0.84		0.22	0.052	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Cadmium	0.11	B	0.11	0.020	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Calcium	49000	B	110	19	mg/Kg	☼	10/18/19 09:44	10/21/19 13:16	10
Chromium	19		0.56	0.27	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Cobalt	13		0.28	0.073	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Copper	24		0.56	0.16	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Iron	19000		11	5.8	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Lead	12		0.28	0.13	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Magnesium	22000		5.6	2.8	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Manganese	330		0.56	0.081	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Nickel	34		0.56	0.16	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Potassium	4500		28	9.8	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Selenium	0.69		0.56	0.33	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Silver	2.9		0.28	0.072	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Sodium	610		56	8.2	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Thallium	0.70		0.56	0.28	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Vanadium	23		0.28	0.066	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1
Zinc	52		1.1	0.49	mg/Kg	☼	10/18/19 09:44	10/20/19 12:38	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 10:29	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 12:01	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.018	0.0060	mg/Kg	☼	10/16/19 11:55	10/17/19 08:53	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/16/19 10:24	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171647-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

### GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
^	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.
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 - Circle Interchange-WO 003

Job ID: 500-171647-1

## 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 TESTING

2417 Bond Street, University Park, IL 60484  
 Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
 Contact: Andri's Slessers  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

Bill To (optional)  
 Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: SAME  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 PO#/Reference#: \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171647  
 Chain of Custody Number: \_\_\_\_\_  
 Page 1 of 2  
 Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
<u>Western</u>		<u>02856-016-023</u>									
Project Name		Lab Project #		# of Containers		VOCs		SVOCs		Total Metals	
<u>IDOT 90/94</u>											
Project Location/State		Lab PM		Matrix		pH		TECP/SAP Metals			
<u>Chicago, IL</u>		<u>C. Perez &amp; M. Deloro</u>									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TECP/SAP Metals	pH
<u>1</u>		<u>ROW-37(0-4)-101019</u>	<u>10/01/19</u>	<u>1030</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>2</u>		<u>ROW-37(4-10)-101019</u>		<u>1025</u>		<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>3</u>		<u>ROW-37-101019</u>		<u>1050</u>		<u>WT</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>4</u>		<u>ROW-51(0-3)-101019</u>		<u>1040</u>		<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>5</u>		<u>ROW-44(0-1)-101019</u>		<u>2350</u>							
<u>6</u>		<u>ROW-43(0-2)-101019</u>		<u>2355</u>							
<u>7</u>		<u>ROW-45(0-2)-101119</u>	<u>10/11/19</u>	<u>0000</u>							
<u>8</u>		<u>ROW-39(4-10)-101119</u>		<u>0010</u>							
<u>9</u>		<u>ROW-39(10-15)-101119</u>		<u>0015</u>							
<u>10</u>		<u>ROW-101(3-4)-101119</u>		<u>0105</u>							



- Preservative Key
1. HCL, Cool to 4°
  2. H2SO4, Cool to 4°
  3. HNO3, Cool to 4°
  4. NaOH, Cool to 4°
  5. NaOH/Zn, Cool to 4°
  6. NaHSO4
  7. Cool to 4°
  8. None
  9. Other

Turnaround Time Required (Business Days)  
 \_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 5 Days X 10 Days \_\_\_ 15 Days \_\_\_ Other  
 Requested Due Date: \_\_\_\_\_

Sample Disposal  
 Return to Client  Disposal by Lab  Archive for \_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>WS</u> Date: <u>10/11/19</u> Time: <u>1500</u>	Received By: <u>[Signature]</u> Company: <u>A</u> Date: <u>10/11/19</u> Time: <u>1520</u>
Relinquished By: <u>P.N</u> Company: <u>TA</u> Date: <u>10/11/19</u> Time: <u>1710</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/11/19</u> Time: <u>1710</u>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: \_\_\_\_\_  
 Shipped: \_\_\_\_\_  
 Hand Delivered: \_\_\_\_\_

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andris Skeslers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: JME  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171647  
Chain of Custody Number: \_\_\_\_\_  
Page 0 of 2  
Temperature °C of Cooler: \_\_\_\_\_

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
<u>Weston</u>		<u>07050.016.003</u>									
Project Name		Lab Project #		Date		Time		# of Containers		Matrix	
<u>IDOT 90/90</u>											
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix	
<u>Chicago, IL</u>		<u>C. Pore + M. Delvo</u>									
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	TRAP	TRAP/SPEC	OTHER
<u>11</u>		<u>ROW-100(4-7)-101119</u>	<u>10/11/19</u>	<u>0130</u>	<u>6</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>12</u>		<u>ROW-101(4-7)-101119</u>		<u>0110</u>							
<u>13</u>		<u>ROW-101(4-7)-101119D</u>		<u>0110</u>							
<u>14</u>		<u>ROW-103(2-4)-101119</u>		<u>0140</u>							
<u>15</u>		<u>ROW-103(4-7)-101119</u>		<u>0150</u>							
<u>16</u>		<u>ROW-104(3-4)-101119</u>		<u>0215</u>							
<u>17</u>		<u>ROW-107(3-4)-101119</u>		<u>0205</u>							
<u>18</u>		<u>ROW-106(3-4)-101119</u>		<u>0200</u>							
<u>19</u>		<u>ROW-105(3-4)-101119</u>		<u>0155</u>							
<u>20</u>		<u>Trip Blank</u>		<u>-</u>	<u>2</u>	<u>WT</u>					

- Preservative Key
- HCL, Cool to 4°
  - H2SO4, Cool to 4°
  - HNO3, Cool to 4°
  - NaOH, Cool to 4°
  - NaOH/Zn, Cool to 4°
  - NaHSO4
  - Cool to 4°
  - None
  - Other

Turnaround Time Required (Business Days)  
 1 Day  2 Days  5 Days  7 Days  10 Days  15 Days  Other  
 Requested Due Date \_\_\_\_\_

Sample Disposal  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u> Company: <u>WS</u> Date: <u>10/11/19</u> Time: <u>1500</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/11/19</u> Time: <u>1500</u>
Relinquished By <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/11/19</u> Time: <u>1710</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/11/19</u> Time: <u>1710</u>
Relinquished By Company: _____ Date: _____ Time: _____	Received By Company: _____ Date: _____ Time: _____

Lab Courier: \_\_\_\_\_  
Shipped: \_\_\_\_\_  
Hand Delivered: \_\_\_\_\_

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments

Lab Comments:

## ANALYTICAL REPORT

Eurofins TestAmerica, Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

Laboratory Job ID: 500-171724-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

Weston Solutions, Inc.  
300 Plaza Circle, Suite 202  
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers



Authorized for release by:  
10/23/2019 3:46:20 PM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-76(4-8)-101319**

**Lab Sample ID: 500-171724-1**

**Date Collected: 10/13/19 23:05**

**Matrix: Solid**

**Date Received: 10/14/19 15:00**

**Percent Solids: 83.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Acetone	<0.016		0.016	0.0068	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Chloroethane	<0.0039 *		0.0039	0.0012	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	10/14/19 15:55	10/20/19 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/14/19 15:55	10/20/19 14:55	1
4-Bromofluorobenzene (Surr)	94		75 - 131	10/14/19 15:55	10/20/19 14:55	1
Dibromofluoromethane	104		75 - 126	10/14/19 15:55	10/20/19 14:55	1
Toluene-d8 (Surr)	94		75 - 124	10/14/19 15:55	10/20/19 14:55	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-76(4-8)-101319**

**Lab Sample ID: 500-171724-1**

Date Collected: 10/13/19 23:05

Matrix: Solid

Date Received: 10/14/19 15:00

Percent Solids: 83.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
2,4-Dinitrophenol	<0.80	F2	0.80	0.70	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
<b>2-Methylnaphthalene</b>	<b>0.040</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
<b>Benzo[g,h,i]perylene</b>	<b>0.020</b>	<b>J</b>	0.039	0.013	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Carbazole	<0.20	F1	0.20	0.099	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
<b>Chrysene</b>	<b>0.027</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
<b>Fluoranthene</b>	<b>0.015</b>	<b>J</b>	0.039	0.0073	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Hexachlorocyclopentadiene	<0.80	F1 *	0.80	0.23	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-76(4-8)-101319**

**Lab Sample ID: 500-171724-1**

Date Collected: 10/13/19 23:05

Matrix: Solid

Date Received: 10/14/19 15:00

Percent Solids: 83.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
<b>Naphthalene</b>	<b>0.014</b>	<b>J</b>	0.039	0.0061	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
N-Nitrosodiphenylamine	<0.20	F1	0.20	0.047	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
<b>Phenanthrene</b>	<b>0.12</b>		0.039	0.0055	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
<b>Pyrene</b>	<b>0.030</b>	<b>J</b>	0.039	0.0078	mg/Kg	☼	10/21/19 08:08	10/22/19 05:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	73		31 - 143				10/21/19 08:08	10/22/19 05:03	1
2-Fluorobiphenyl	96		43 - 145				10/21/19 08:08	10/22/19 05:03	1
2-Fluorophenol	112		31 - 166				10/21/19 08:08	10/22/19 05:03	1
Nitrobenzene-d5	92		37 - 147				10/21/19 08:08	10/22/19 05:03	1
Phenol-d5	100		30 - 153				10/21/19 08:08	10/22/19 05:03	1
Terphenyl-d14	105		42 - 157				10/21/19 08:08	10/22/19 05:03	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:16	10/20/19 12:10	1
<b>Barium</b>	<b>0.61</b>		0.50	0.050	mg/L		10/18/19 09:16	10/20/19 12:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:16	10/20/19 12:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:16	10/20/19 12:10	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:10	1
<b>Cobalt</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:10	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:10	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:16	10/20/19 12:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:16	10/20/19 12:10	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:10	1
<b>Nickel</b>	<b>0.036</b>		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:10	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:16	10/20/19 12:10	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:10	1
<b>Zinc</b>	<b>0.029</b>	<b>J</b>	0.50	0.020	mg/L		10/18/19 09:16	10/20/19 12:10	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 15:13	10/21/19 10:33	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 15:13	10/21/19 10:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 15:13	10/21/19 10:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 15:13	10/21/19 10:33	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:33	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:33	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:33	1
<b>Iron</b>	<b>0.93</b>		0.40	0.20	mg/L		10/18/19 15:13	10/21/19 10:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 15:13	10/21/19 10:33	1
<b>Manganese</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:33	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:33	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 15:13	10/21/19 10:33	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-76(4-8)-101319**

**Lab Sample ID: 500-171724-1**

Date Collected: 10/13/19 23:05

Matrix: Solid

Date Received: 10/14/19 15:00

Percent Solids: 83.1

**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		10/18/19 15:13	10/21/19 10:33	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 15:13	10/21/19 10:33	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.33	J	1.2	0.23	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Arsenic	7.9		0.58	0.20	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Barium	33		0.58	0.067	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Beryllium	0.54		0.23	0.055	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Cadmium	0.056	J B	0.12	0.021	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Calcium	58000	B	120	20	mg/Kg	☼	10/18/19 18:09	10/22/19 13:19	10
Chromium	14		0.58	0.29	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Cobalt	14		0.29	0.077	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Copper	28		0.58	0.16	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Iron	19000		12	6.1	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Lead	15		0.29	0.14	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Magnesium	25000		5.8	2.9	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Manganese	380		0.58	0.085	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Nickel	34		0.58	0.17	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Potassium	2300		29	10	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Selenium	0.91	B	0.58	0.34	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Silver	2.2		0.29	0.075	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Sodium	780		58	8.7	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Thallium	0.69		0.58	0.29	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Vanadium	15		0.29	0.069	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1
Zinc	49		1.2	0.51	mg/Kg	☼	10/18/19 18:09	10/21/19 19:54	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 08:21	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/21/19 10:45	10/22/19 09:10	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.019	0.0064	mg/Kg	☼	10/16/19 11:55	10/17/19 09:10	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-79(4-8)-101319**

**Lab Sample ID: 500-171724-2**

Date Collected: 10/13/19 23:30

Matrix: Solid

Date Received: 10/14/19 15:00

Percent Solids: 82.3

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Acetone	<0.017		0.017	0.0073	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Chloroethane	<0.0042 *		0.0042	0.0012	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/14/19 15:55	10/20/19 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	10/14/19 15:55	10/20/19 15:21	1
4-Bromofluorobenzene (Surr)	92		75 - 131	10/14/19 15:55	10/20/19 15:21	1
Dibromofluoromethane	103		75 - 126	10/14/19 15:55	10/20/19 15:21	1
Toluene-d8 (Surr)	94		75 - 124	10/14/19 15:55	10/20/19 15:21	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-79(4-8)-101319**

**Lab Sample ID: 500-171724-2**

Date Collected: 10/13/19 23:30

Matrix: Solid

Date Received: 10/14/19 15:00

Percent Solids: 82.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
<b>2-Methylnaphthalene</b>	<b>0.057</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
<b>Acenaphthene</b>	<b>0.015</b>	<b>J</b>	0.039	0.0071	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
<b>Anthracene</b>	<b>0.0088</b>	<b>J</b>	0.039	0.0066	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
<b>Chrysene</b>	<b>0.031</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
<b>Fluorene</b>	<b>0.0096</b>	<b>J</b>	0.039	0.0056	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Hexachlorocyclopentadiene	<0.80	*	0.80	0.23	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-79(4-8)-101319**

**Lab Sample ID: 500-171724-2**

Date Collected: 10/13/19 23:30

Matrix: Solid

Date Received: 10/14/19 15:00

Percent Solids: 82.3

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
<b>Naphthalene</b>	<b>0.018</b>	<b>J</b>	0.039	0.0061	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
<b>Phenanthrene</b>	<b>0.13</b>		0.039	0.0055	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	10/21/19 08:08	10/22/19 05:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	74		31 - 143				10/21/19 08:08	10/22/19 05:32	1
2-Fluorobiphenyl	105		43 - 145				10/21/19 08:08	10/22/19 05:32	1
2-Fluorophenol	120		31 - 166				10/21/19 08:08	10/22/19 05:32	1
Nitrobenzene-d5	99		37 - 147				10/21/19 08:08	10/22/19 05:32	1
Phenol-d5	108		30 - 153				10/21/19 08:08	10/22/19 05:32	1
Terphenyl-d14	110		42 - 157				10/21/19 08:08	10/22/19 05:32	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:16	10/20/19 12:26	1
<b>Barium</b>	<b>0.62</b>		0.50	0.050	mg/L		10/18/19 09:16	10/20/19 12:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:16	10/20/19 12:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:16	10/20/19 12:26	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:26	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:26	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:26	1
<b>Iron</b>	<b>0.20</b>	<b>J</b>	0.40	0.20	mg/L		10/18/19 09:16	10/20/19 12:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:16	10/20/19 12:26	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:26	1
<b>Nickel</b>	<b>0.034</b>		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:26	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:16	10/20/19 12:26	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:26	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 09:16	10/20/19 12:26	1

## Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 15:13	10/21/19 10:37	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 15:13	10/21/19 10:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 15:13	10/21/19 10:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 15:13	10/21/19 10:37	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:37	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:37	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:37	1
<b>Iron</b>	<b>0.54</b>		0.40	0.20	mg/L		10/18/19 15:13	10/21/19 10:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 15:13	10/21/19 10:37	1
<b>Manganese</b>	<b>0.018</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:37	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:37	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 15:13	10/21/19 10:37	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-79(4-8)-101319**

**Lab Sample ID: 500-171724-2**

Date Collected: 10/13/19 23:30

Matrix: Solid

Date Received: 10/14/19 15:00

Percent Solids: 82.3

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:37	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 15:13	10/21/19 10:37	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.23	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Arsenic	8.4		0.60	0.21	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Barium	31		0.60	0.069	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Beryllium	0.59		0.24	0.056	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Cadmium	0.057	J B	0.12	0.022	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Calcium	52000	B	120	20	mg/Kg	☼	10/18/19 18:09	10/22/19 13:23	10
Chromium	14		0.60	0.30	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Cobalt	15		0.30	0.079	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Copper	31		0.60	0.17	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Iron	20000		12	6.3	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Lead	16		0.30	0.14	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Magnesium	23000		6.0	3.0	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Manganese	380		0.60	0.087	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Nickel	35		0.60	0.18	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Potassium	2400		30	11	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Selenium	0.83	B	0.60	0.35	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Silver	2.3		0.30	0.078	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Sodium	340		60	8.9	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Thallium	0.84		0.60	0.30	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Vanadium	16		0.30	0.071	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1
Zinc	47		1.2	0.53	mg/Kg	☼	10/18/19 18:09	10/21/19 19:58	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 08:23	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/21/19 10:45	10/22/19 09:12	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.019	0.0064	mg/Kg	☼	10/16/19 11:55	10/17/19 09:12	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/16/19 10:24	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-16(4-10)-101419**

**Lab Sample ID: 500-171724-4**

**Date Collected: 10/14/19 00:30**

**Matrix: Solid**

**Date Received: 10/14/19 15:00**

**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	<0.0016		0.0016	0.00053	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Acetone	<0.016		0.016	0.0068	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Chloroethane	<0.0039 *		0.0039	0.0012	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	10/14/19 15:55	10/20/19 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/14/19 15:55	10/20/19 16:13	1
4-Bromofluorobenzene (Surr)	91		75 - 131	10/14/19 15:55	10/20/19 16:13	1
Dibromofluoromethane	101		75 - 126	10/14/19 15:55	10/20/19 16:13	1
Toluene-d8 (Surr)	95		75 - 124	10/14/19 15:55	10/20/19 16:13	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-16(4-10)-101419**

**Lab Sample ID: 500-171724-4**

Date Collected: 10/14/19 00:30

Matrix: Solid

Date Received: 10/14/19 15:00

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	<0.39		0.39	0.091	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
4-Chloro-3-methylphenol	<0.39		0.39	0.14	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Benzo[b]fluoranthene	<0.039		0.039	0.0086	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
<b>Chrysene</b>	<b>0.026</b>	<b>J</b>	0.039	0.011	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
<b>Fluoranthene</b>	<b>0.019</b>	<b>J</b>	0.039	0.0074	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Hexachlorocyclopentadiene	<0.80	*	0.80	0.23	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-16(4-10)-101419**

**Lab Sample ID: 500-171724-4**

Date Collected: 10/14/19 00:30

Matrix: Solid

Date Received: 10/14/19 15:00

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	<0.039		0.039	0.010	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
<b>Phenanthrene</b>	<b>0.12</b>		0.039	0.0055	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1
<b>Pyrene</b>	<b>0.020</b>	<b>J</b>	0.039	0.0079	mg/Kg	☼	10/21/19 08:08	10/22/19 10:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	58		31 - 143	10/21/19 08:08	10/22/19 10:24	1
2-Fluorobiphenyl	82		43 - 145	10/21/19 08:08	10/22/19 10:24	1
2-Fluorophenol	94		31 - 166	10/21/19 08:08	10/22/19 10:24	1
Nitrobenzene-d5	56		37 - 147	10/21/19 08:08	10/22/19 10:24	1
Phenol-d5	78		30 - 153	10/21/19 08:08	10/22/19 10:24	1
Terphenyl-d14	106		42 - 157	10/21/19 08:08	10/22/19 10:24	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:16	10/20/19 12:35	1
<b>Barium</b>	<b>0.60</b>		0.50	0.050	mg/L		10/18/19 09:16	10/20/19 12:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:16	10/20/19 12:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:16	10/20/19 12:35	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:35	1
<b>Cobalt</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:35	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:35	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:16	10/20/19 12:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:16	10/20/19 12:35	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:35	1
<b>Nickel</b>	<b>0.039</b>		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:35	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:16	10/20/19 12:35	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:35	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 09:16	10/20/19 12:35	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 15:13	10/21/19 10:46	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 15:13	10/21/19 10:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 15:13	10/21/19 10:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 15:13	10/21/19 10:46	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:46	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:46	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:46	1
<b>Iron</b>	<b>0.67</b>		0.40	0.20	mg/L		10/18/19 15:13	10/21/19 10:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 15:13	10/21/19 10:46	1
<b>Manganese</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:46	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:46	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 15:13	10/21/19 10:46	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-16(4-10)-101419**

**Lab Sample ID: 500-171724-4**

Date Collected: 10/14/19 00:30

Matrix: Solid

Date Received: 10/14/19 15:00

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		10/18/19 15:13	10/21/19 10:46	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 15:13	10/21/19 10:46	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.22	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Arsenic	5.5		0.57	0.19	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Barium	34		0.57	0.065	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Beryllium	0.56		0.23	0.053	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Cadmium	0.080	J B	0.11	0.020	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Calcium	64000	B	110	19	mg/Kg	☼	10/18/19 18:09	10/22/19 13:31	10
Chromium	13		0.57	0.28	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Cobalt	9.8		0.28	0.074	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Copper	25		0.57	0.16	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Iron	16000		11	5.9	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Lead	9.7		0.28	0.13	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Magnesium	28000		5.7	2.8	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Manganese	300		0.57	0.082	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Nickel	24		0.57	0.17	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Potassium	2700		28	10	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Selenium	0.75	B	0.57	0.33	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Silver	2.1		0.28	0.073	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Sodium	270		57	8.4	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Thallium	0.69		0.57	0.28	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Vanadium	15		0.28	0.067	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1
Zinc	43		1.1	0.50	mg/Kg	☼	10/18/19 18:09	10/21/19 20:19	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 08:26	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/21/19 10:45	10/22/19 09:15	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018		0.018	0.0061	mg/Kg	☼	10/16/19 11:55	10/17/19 09:16	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.5		0.2	0.2	SU			10/16/19 14:09	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-16(10-15)-101419**

**Lab Sample ID: 500-171724-5**

**Date Collected: 10/14/19 00:40**

**Matrix: Solid**

**Date Received: 10/14/19 15:00**

**Percent Solids: 79.0**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Acetone	<0.018		0.018	0.0077	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Bromomethane	<0.0044 *		0.0044	0.0017	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Ethylbenzene	<0.0018		0.0018	0.00084	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0020	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/14/19 00:40	10/21/19 12:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	10/14/19 00:40	10/21/19 12:26	1
4-Bromofluorobenzene (Surr)	122		75 - 131	10/14/19 00:40	10/21/19 12:26	1
Dibromofluoromethane	98		75 - 126	10/14/19 00:40	10/21/19 12:26	1
Toluene-d8 (Surr)	97		75 - 124	10/14/19 00:40	10/21/19 12:26	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-16(10-15)-101419**

**Lab Sample ID: 500-171724-5**

Date Collected: 10/14/19 00:40

Matrix: Solid

Date Received: 10/14/19 15:00

Percent Solids: 79.0

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
<b>2-Methylnaphthalene</b>	<b>0.047</b>	<b>J</b>	0.083	0.0076	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
<b>Chrysene</b>	<b>0.018</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
<b>Fluoranthene</b>	<b>0.023</b>	<b>J</b>	0.041	0.0076	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Hexachlorocyclopentadiene	<0.83	*	0.83	0.24	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-16(10-15)-101419**

**Lab Sample ID: 500-171724-5**

Date Collected: 10/14/19 00:40

Matrix: Solid

Date Received: 10/14/19 15:00

Percent Solids: 79.0

**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	<0.041		0.041	0.011	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
<b>Phenanthrene</b>	<b>0.16</b>		0.041	0.0057	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1
<b>Pyrene</b>	<b>0.031</b>	<b>J</b>	0.041	0.0082	mg/Kg	☼	10/21/19 08:08	10/22/19 11:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63		31 - 143	10/21/19 08:08	10/22/19 11:48	1
2-Fluorobiphenyl	86		43 - 145	10/21/19 08:08	10/22/19 11:48	1
2-Fluorophenol	95		31 - 166	10/21/19 08:08	10/22/19 11:48	1
Nitrobenzene-d5	54		37 - 147	10/21/19 08:08	10/22/19 11:48	1
Phenol-d5	80		30 - 153	10/21/19 08:08	10/22/19 11:48	1
Terphenyl-d14	115		42 - 157	10/21/19 08:08	10/22/19 11:48	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:16	10/20/19 12:39	1
<b>Barium</b>	<b>0.66</b>		0.50	0.050	mg/L		10/18/19 09:16	10/20/19 12:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:16	10/20/19 12:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:16	10/20/19 12:39	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:39	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:39	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:39	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:16	10/20/19 12:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:16	10/20/19 12:39	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:39	1
<b>Nickel</b>	<b>0.029</b>		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:39	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:16	10/20/19 12:39	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:39	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 09:16	10/20/19 12:39	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 15:13	10/21/19 10:50	1
<b>Barium</b>	<b>0.078</b>	<b>J</b>	0.50	0.050	mg/L		10/18/19 15:13	10/21/19 10:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 15:13	10/21/19 10:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 15:13	10/21/19 10:50	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:50	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:50	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:50	1
<b>Iron</b>	<b>4.5</b>		0.40	0.20	mg/L		10/18/19 15:13	10/21/19 10:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 15:13	10/21/19 10:50	1
<b>Manganese</b>	<b>0.051</b>		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:50	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:50	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 15:13	10/21/19 10:50	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-16(10-15)-101419**

**Lab Sample ID: 500-171724-5**

Date Collected: 10/14/19 00:40

Matrix: Solid

Date Received: 10/14/19 15:00

Percent Solids: 79.0

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:50	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 15:13	10/21/19 10:50	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.2	0.23	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Arsenic	7.4		0.58	0.20	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Barium	41		0.58	0.066	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Beryllium	0.69		0.23	0.054	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Cadmium	0.11	J B	0.12	0.021	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Calcium	58000	B	120	20	mg/Kg	☼	10/18/19 18:09	10/22/19 13:35	10
Chromium	16		0.58	0.29	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Cobalt	14		0.29	0.076	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Copper	32		0.58	0.16	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Iron	20000		12	6.0	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Lead	14		0.29	0.13	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Magnesium	23000		5.8	2.9	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Manganese	320		0.58	0.084	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Nickel	34		0.58	0.17	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Potassium	3000		29	10	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Selenium	0.97	B	0.58	0.34	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Silver	2.7		0.29	0.075	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Sodium	200		58	8.6	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Thallium	0.71		0.58	0.29	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Vanadium	19		0.29	0.068	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1
Zinc	58		1.2	0.51	mg/Kg	☼	10/18/19 18:09	10/21/19 20:23	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 08:28	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/21/19 10:45	10/22/19 09:17	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.020	0.0068	mg/Kg	☼	10/16/19 11:55	10/17/19 09:18	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			10/16/19 14:09	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-15(4-10)-101419**

**Lab Sample ID: 500-171724-6**

**Date Collected: 10/14/19 01:00**

**Matrix: Solid**

**Date Received: 10/14/19 15:00**

**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	<0.0019		0.0019	0.00065	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
1,1,2,2-Tetrachloroethane	<0.0019	*	0.0019	0.00062	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00083	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
1,1-Dichloroethane	<0.0019		0.0019	0.00067	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
1,1-Dichloroethene	<0.0019		0.0019	0.00067	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00068	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Acetone	<0.019		0.019	0.0085	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Benzene	<0.0019		0.0019	0.00050	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Bromodichloromethane	<0.0019		0.0019	0.00040	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Bromoform	<0.0019		0.0019	0.00057	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Bromomethane	<0.0049	*	0.0049	0.0018	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Carbon disulfide	<0.0049		0.0049	0.0010	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Chlorobenzene	<0.0019		0.0019	0.00072	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Chloroethane	<0.0049		0.0049	0.0014	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Chloroform	<0.0019		0.0019	0.00068	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Chloromethane	<0.0049		0.0049	0.0020	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00059	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Dibromochloromethane	<0.0019		0.0019	0.00064	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Ethylbenzene	<0.0019		0.0019	0.00093	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Methyl Ethyl Ketone	<0.0049		0.0049	0.0022	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
methyl isobutyl ketone	<0.0049		0.0049	0.0014	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00057	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Methylene Chloride	<0.0049		0.0049	0.0019	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Styrene	<0.0019		0.0019	0.00059	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Tetrachloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Toluene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00086	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00068	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Trichloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Vinyl chloride	<0.0019		0.0019	0.00086	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1
Xylenes, Total	<0.0039		0.0039	0.00062	mg/Kg	☼	10/14/19 01:00	10/21/19 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	10/14/19 01:00	10/21/19 12:53	1
4-Bromofluorobenzene (Surr)	140	X *	75 - 131	10/14/19 01:00	10/21/19 12:53	1
Dibromofluoromethane	99		75 - 126	10/14/19 01:00	10/21/19 12:53	1
Toluene-d8 (Surr)	105		75 - 124	10/14/19 01:00	10/21/19 12:53	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
1,4-Dichlorobenzene	<0.21		0.21	0.052	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-15(4-10)-101419**

**Lab Sample ID: 500-171724-6**

Date Collected: 10/14/19 01:00

Matrix: Solid

Date Received: 10/14/19 15:00

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	<0.41		0.41	0.093	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
2,4-Dimethylphenol	<0.41		0.41	0.15	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
2,6-Dinitrotoluene	<0.21		0.21	0.080	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
<b>2-Methylnaphthalene</b>	<b>0.045</b>	<b>J</b>	0.082	0.0075	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
<b>Acenaphthene</b>	<b>0.018</b>	<b>J</b>	0.041	0.0073	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
<b>Anthracene</b>	<b>0.014</b>	<b>J</b>	0.041	0.0068	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Benzo[a]pyrene	<0.041		0.041	0.0079	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Benzo[b]fluoranthene	<0.041		0.041	0.0088	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
<b>Chrysene</b>	<b>0.031</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Dimethyl phthalate	<0.21		0.21	0.053	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
<b>Fluoranthene</b>	<b>0.018</b>	<b>J</b>	0.041	0.0076	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Fluorene	<0.041		0.041	0.0057	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Hexachlorobenzene	<0.082		0.082	0.0095	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Hexachlorocyclopentadiene	<0.82	*	0.82	0.23	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-15(4-10)-101419**

**Lab Sample ID: 500-171724-6**

Date Collected: 10/14/19 01:00

Matrix: Solid

Date Received: 10/14/19 15:00

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	<0.041		0.041	0.011	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
<b>Naphthalene</b>	<b>0.014</b>	<b>J</b>	0.041	0.0063	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Pentachlorophenol	<0.82		0.82	0.66	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
<b>Phenanthrene</b>	<b>0.13</b>		0.041	0.0057	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1
Pyrene	<0.041		0.041	0.0081	mg/Kg	☼	10/21/19 08:08	10/22/19 12:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	55		31 - 143	10/21/19 08:08	10/22/19 12:15	1
2-Fluorobiphenyl	80		43 - 145	10/21/19 08:08	10/22/19 12:15	1
2-Fluorophenol	88		31 - 166	10/21/19 08:08	10/22/19 12:15	1
Nitrobenzene-d5	52		37 - 147	10/21/19 08:08	10/22/19 12:15	1
Phenol-d5	72		30 - 153	10/21/19 08:08	10/22/19 12:15	1
Terphenyl-d14	103		42 - 157	10/21/19 08:08	10/22/19 12:15	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:16	10/20/19 12:43	1
<b>Barium</b>	<b>0.64</b>		0.50	0.050	mg/L		10/18/19 09:16	10/20/19 12:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:16	10/20/19 12:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:16	10/20/19 12:43	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:43	1
<b>Cobalt</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:43	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:43	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:16	10/20/19 12:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:16	10/20/19 12:43	1
<b>Manganese</b>	<b>1.6</b>		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:43	1
<b>Nickel</b>	<b>0.033</b>		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:43	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:16	10/20/19 12:43	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:43	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 09:16	10/20/19 12:43	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		10/18/19 15:13	10/21/19 10:54	1
<b>Barium</b>	<b>0.056</b>	<b>J</b>	0.50	0.050	mg/L		10/18/19 15:13	10/21/19 10:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 15:13	10/21/19 10:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 15:13	10/21/19 10:54	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:54	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:54	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:54	1
<b>Iron</b>	<b>2.2</b>		0.40	0.20	mg/L		10/18/19 15:13	10/21/19 10:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 15:13	10/21/19 10:54	1
<b>Manganese</b>	<b>0.031</b>		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:54	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:54	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 15:13	10/21/19 10:54	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-15(4-10)-101419**

**Lab Sample ID: 500-171724-6**

Date Collected: 10/14/19 01:00

Matrix: Solid

Date Received: 10/14/19 15:00

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		10/18/19 15:13	10/21/19 10:54	1
Zinc	0.056	J	0.50	0.020	mg/L		10/18/19 15:13	10/21/19 10:54	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.46	J	1.2	0.24	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Arsenic	7.9		0.61	0.21	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Barium	39		0.61	0.069	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Beryllium	0.65		0.24	0.057	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Cadmium	0.069	J B	0.12	0.022	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Calcium	57000	B	120	21	mg/Kg	☼	10/18/19 18:09	10/22/19 13:39	10
Chromium	16		0.61	0.30	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Cobalt	14		0.30	0.080	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Copper	27		0.61	0.17	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Iron	20000		12	6.3	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Lead	14		0.30	0.14	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Magnesium	25000		6.1	3.0	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Manganese	340		0.61	0.088	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Nickel	35		0.61	0.18	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Potassium	2900		30	11	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Selenium	0.82	B	0.61	0.36	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Silver	2.6		0.30	0.079	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Sodium	220		61	9.0	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Thallium	0.76		0.61	0.30	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Vanadium	19		0.30	0.072	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1
Zinc	57		1.2	0.53	mg/Kg	☼	10/18/19 18:09	10/21/19 20:27	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 08:29	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/21/19 10:45	10/22/19 09:18	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.020	0.0066	mg/Kg	☼	10/16/19 11:55	10/17/19 09:20	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			10/16/19 14:09	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-15(10-15)-101419**

**Lab Sample ID: 500-171724-7**

**Date Collected: 10/14/19 00:50**

**Matrix: Solid**

**Date Received: 10/14/19 15:00**

**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	<0.0016		0.0016	0.00054	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Acetone	<0.016		0.016	0.0071	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Bromomethane	<0.0041	*	0.0041	0.0015	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Carbon disulfide	<0.0041		0.0041	0.00084	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	10/14/19 15:55	10/21/19 13:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 134	10/14/19 15:55	10/21/19 13:19	1
4-Bromofluorobenzene (Surr)	109		75 - 131	10/14/19 15:55	10/21/19 13:19	1
Dibromofluoromethane	95		75 - 126	10/14/19 15:55	10/21/19 13:19	1
Toluene-d8 (Surr)	99		75 - 124	10/14/19 15:55	10/21/19 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	<0.20		0.20	0.043	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-15(10-15)-101419**

**Lab Sample ID: 500-171724-7**

Date Collected: 10/14/19 00:50

Matrix: Solid

Date Received: 10/14/19 15:00

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	<0.40		0.40	0.091	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
<b>2-Methylnaphthalene</b>	<b>0.040</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
<b>Acenaphthene</b>	<b>0.022</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
<b>Anthracene</b>	<b>0.016</b>	<b>J</b>	0.040	0.0067	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
<b>Chrysene</b>	<b>0.034</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
<b>Fluoranthene</b>	<b>0.026</b>	<b>J</b>	0.040	0.0074	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Hexachlorocyclopentadiene	<0.81	*	0.81	0.23	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-15(10-15)-101419**

**Lab Sample ID: 500-171724-7**

Date Collected: 10/14/19 00:50

Matrix: Solid

Date Received: 10/14/19 15:00

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	<0.040		0.040	0.010	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
<b>Naphthalene</b>	<b>0.013</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
<b>Phenanthrene</b>	<b>0.17</b>		0.040	0.0056	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	10/21/19 08:08	10/22/19 12:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	58		31 - 143	10/21/19 08:08	10/22/19 12:42	1
2-Fluorobiphenyl	81		43 - 145	10/21/19 08:08	10/22/19 12:42	1
2-Fluorophenol	91		31 - 166	10/21/19 08:08	10/22/19 12:42	1
Nitrobenzene-d5	51		37 - 147	10/21/19 08:08	10/22/19 12:42	1
Phenol-d5	75		30 - 153	10/21/19 08:08	10/22/19 12:42	1
Terphenyl-d14	103		42 - 157	10/21/19 08:08	10/22/19 12:42	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/18/19 09:16	10/20/19 12:48	1
<b>Barium</b>	<b>0.56</b>		0.50	0.050	mg/L		10/18/19 09:16	10/20/19 12:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 09:16	10/20/19 12:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 09:16	10/20/19 12:48	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:48	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:48	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:48	1
Iron	<0.40		0.40	0.20	mg/L		10/18/19 09:16	10/20/19 12:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 09:16	10/20/19 12:48	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:48	1
<b>Nickel</b>	<b>0.035</b>		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:48	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 09:16	10/20/19 12:48	1
Silver	<0.025		0.025	0.010	mg/L		10/18/19 09:16	10/20/19 12:48	1
Zinc	<0.50		0.50	0.020	mg/L		10/18/19 09:16	10/20/19 12:48	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		10/18/19 15:13	10/21/19 10:58	1
Barium	<0.50		0.50	0.050	mg/L		10/18/19 15:13	10/21/19 10:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/18/19 15:13	10/21/19 10:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/18/19 15:13	10/21/19 10:58	1
Chromium	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:58	1
Cobalt	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:58	1
Copper	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:58	1
<b>Iron</b>	<b>0.89</b>		0.40	0.20	mg/L		10/18/19 15:13	10/21/19 10:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/18/19 15:13	10/21/19 10:58	1
<b>Manganese</b>	<b>0.019</b>	<b>J</b>	0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:58	1
Nickel	<0.025		0.025	0.010	mg/L		10/18/19 15:13	10/21/19 10:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/18/19 15:13	10/21/19 10:58	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

**Client Sample ID: ROW-15(10-15)-101419**

**Lab Sample ID: 500-171724-7**

Date Collected: 10/14/19 00:50

Matrix: Solid

Date Received: 10/14/19 15:00

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		10/18/19 15:13	10/21/19 10:58	1
<b>Zinc</b>	<b>0.020</b>	<b>J</b>	0.50	0.020	mg/L		10/18/19 15:13	10/21/19 10:58	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Antimony</b>	<b>0.31</b>	<b>J</b>	1.2	0.23	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Arsenic</b>	<b>7.8</b>		0.60	0.21	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Barium</b>	<b>31</b>		0.60	0.069	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Beryllium</b>	<b>0.66</b>		0.24	0.056	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Cadmium</b>	<b>0.097</b>	<b>J B</b>	0.12	0.022	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Calcium</b>	<b>52000</b>	<b>B</b>	120	20	mg/Kg	☼	10/18/19 18:09	10/22/19 13:43	10
<b>Chromium</b>	<b>14</b>		0.60	0.30	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Cobalt</b>	<b>14</b>		0.30	0.079	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Copper</b>	<b>31</b>		0.60	0.17	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Iron</b>	<b>19000</b>		12	6.3	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Lead</b>	<b>14</b>		0.30	0.14	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Magnesium</b>	<b>24000</b>		6.0	3.0	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Manganese</b>	<b>330</b>		0.60	0.088	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Nickel</b>	<b>34</b>		0.60	0.18	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Potassium</b>	<b>2600</b>		30	11	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Selenium</b>	<b>0.85</b>	<b>B</b>	0.60	0.35	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Silver</b>	<b>2.3</b>		0.30	0.078	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Sodium</b>	<b>330</b>		60	8.9	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Thallium</b>	<b>0.85</b>		0.60	0.30	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Vanadium</b>	<b>17</b>		0.30	0.071	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1
<b>Zinc</b>	<b>51</b>		1.2	0.53	mg/Kg	☼	10/18/19 18:09	10/21/19 20:31	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/18/19 14:00	10/21/19 09:01	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/21/19 10:45	10/22/19 09:23	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.021</b>		0.019	0.0063	mg/Kg	☼	10/16/19 11:55	10/17/19 09:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>7.7</b>		0.2	0.2	SU			10/16/19 14:09	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171724-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
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.
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 - Circle Interchange-WO 003

Job ID: 500-171724-1

## 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	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 60  
Phone: 708.534.5200 Fax: 708.534



500-171724 COC

Report To (optional)  
Contact: Andris Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: SAME  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference#: \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171724  
Chain of Custody Number: \_\_\_\_\_  
Page 1 of 2  
Temperature °C of Cooler: 5.3°C

Client		Client Project #		Preservative		Parameter					Preservative Key		
<u>Weston</u>		<u>02056.016.003</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		Project Location/State		Lab Project #		# of Containers	Matrix	VOCs	SVOCs	Total metals	TCUP/SPLP metals		pH
<u>IDOT 90/94</u>		<u>Chicago, IL</u>											
Sampler		Lab PM		Sampling		Date	Time	X	X	X	X	X	
<u>C. Pence</u>													
Lab ID	MS/MSD	Sample ID		Sampling		# of Containers	Matrix	VOCs	SVOCs	Total metals	TCUP/SPLP metals	pH	Comments
<u>1</u>		<u>RAW-76 (4-8) - 101319</u>		<u>10/13/19</u>	<u>2305</u>								
<u>2</u>		<u>RAW-79 (4-8) - 101319</u>			<u>2330</u>								
<u>3</u>		<u>RAW-80 (4-8) - 101319</u>			<u>2345</u>								
<u>4</u>		<u>RAW-16 (4-10) - 101419</u>		<u>10/14/19</u>	<u>0050</u>								
<u>5</u>		<u>RAW-16 (10-15) - 101419</u>			<u>0010</u>								
<u>6</u>		<u>RAW-15 (4-10) - 101419</u>			<u>0100</u>								
<u>7</u>		<u>RAW-15 (10-15) - 101419</u>			<u>0050</u>								
<u>8</u>		<u>CM-2 (1-4) - 101419</u>			<u>0145</u>								
<u>9</u>		<u>CM-2 (4-10) - 101419</u>			<u>0150</u>								
<u>10</u>		<u>CM-2 (10-16) - 101419</u>			<u>0200</u>								

Turnaround Time Required (Business Days)

\_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 5 Days  7 Days \_\_\_ 10 Days \_\_\_ 15 Days \_\_\_ Other

Requested Due Date \_\_\_\_\_

Sample Disposal

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>WS</u> Date: <u>10/14/19</u> Time: <u>1400</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/14/19</u> Time: <u>1400</u>
Relinquished By: <u>[Signature]</u> Company: <u>A</u> Date: <u>10/14/19</u> Time: <u>1500</u>	Received By: <u>[Signature]</u> Company: <u>TA-CHE</u> Date: <u>10/14/19</u> Time: <u>1500</u>

Lab Courier: TA  
Shipped: \_\_\_\_\_  
Hand Delivered: \_\_\_\_\_

Matrix Key  
 WW - Wastewater SE - Sediment  
 W - Water SO - Soil  
 S - Soil L - Leachate  
 SL - Sludge WI - Wipe  
 MS - Miscellaneous DW - Drinking Water  
 OL - Oil O - Other  
 A - Air

Client Comments

Lab Comments:

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
Contact: Andris Slessers  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)  
Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: SAME  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171724  
Chain of Custody Number: \_\_\_\_\_  
Page 2 of 2  
Temperature °C of Cooler: 5, 3, 5

Client		Client Project #		Preservative		Parameter												Preservative Key	
<u>Western</u>		<u>02056.016.003</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		Project Location/State		Lab Project #		Lab PM													
<u>IDOT 90/94</u>		<u>Chicago, IL</u>																	
Sampler																			
<u>C. Pierce</u>																			
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCP/SACP Metals	pH						Comments		
			Date	Time															
<u>11</u>		<u>CM-2 (10-16)-10/14/19D</u>	<u>10/14/19</u>	<u>0200</u>	<u>6</u>	<u>S</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 X 7 Days \_\_\_ 10 Days \_\_\_ 15 Days \_\_\_ Other  
 Requested Due Date \_\_\_\_\_

Sample Disposal  
 Return to Client  Disposal by Lab  Archive for \_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>[Signature]</u> Company: <u>WS</u> Date: <u>10/14/19</u> Time: <u>1400</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/14/19</u> Time: <u>1400</u>	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/14/19</u> Time: <u>1500</u>	Received By <u>[Signature]</u> Company: <u>TA</u> Date: <u>10/14/19</u> Time: <u>1500</u>	Shipped _____
Relinquished By Company: _____ Date: _____ Time: _____	Received By Company: _____ Date: _____ Time: _____	Hand Delivered _____

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

## ANALYTICAL REPORT

Eurofins TestAmerica, Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

Laboratory Job ID: 500-171848-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

Weston Solutions, Inc.  
300 Plaza Circle, Suite 202  
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers



Authorized for release by:  
10/28/2019 11:22:21 AM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(5-10)-101519**

**Lab Sample ID: 500-171848-7**

**Date Collected: 10/15/19 09:20**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 79.5**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00075	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
1,1-Dichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
1,2-Dichloropropane	<0.0018		0.0018	0.00045	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Acetone	<0.018		0.018	0.0076	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Bromoform	<0.0018		0.0018	0.00051	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Bromomethane	<0.0044 *		0.0044	0.0017	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Dibromochloromethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Ethylbenzene	<0.0018		0.0018	0.00084	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Toluene	<0.0018		0.0018	0.00044	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Trichloroethene	<0.0018		0.0018	0.00059	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/16/19 18:35	10/23/19 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		70 - 134	10/16/19 18:35	10/23/19 17:51	1
4-Bromofluorobenzene (Surr)	102		75 - 131	10/16/19 18:35	10/23/19 17:51	1
Dibromofluoromethane	96		75 - 126	10/16/19 18:35	10/23/19 17:51	1
Toluene-d8 (Surr)	92		75 - 124	10/16/19 18:35	10/23/19 17:51	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(5-10)-101519**

**Lab Sample ID: 500-171848-7**

**Date Collected: 10/15/19 09:20**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 79.5**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>2-Methylnaphthalene</b>	<b>0.013</b>	<b>J B</b>	0.081	0.0074	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>Acenaphthene</b>	<b>0.0083</b>	<b>J B</b>	0.040	0.0072	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>Acenaphthylene</b>	<b>0.036</b>	<b>J B</b>	0.040	0.0053	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>Anthracene</b>	<b>0.057</b>	<b>B</b>	0.040	0.0067	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>Benzo[a]anthracene</b>	<b>0.23</b>	<b>B</b>	0.040	0.0054	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>Benzo[a]pyrene</b>	<b>0.26</b>	<b>B</b>	0.040	0.0078	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>Benzo[b]fluoranthene</b>	<b>0.32</b>	<b>B</b>	0.040	0.0087	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>Benzo[g,h,i]perylene</b>	<b>0.10</b>		0.040	0.013	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>Benzo[k]fluoranthene</b>	<b>0.11</b>		0.040	0.012	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>Chrysene</b>	<b>0.23</b>		0.040	0.011	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>Dibenz(a,h)anthracene</b>	<b>0.027</b>	<b>J B</b>	0.040	0.0078	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>Fluoranthene</b>	<b>0.30</b>	<b>B</b>	0.040	0.0074	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>Fluorene</b>	<b>0.014</b>	<b>J B</b>	0.040	0.0056	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(5-10)-101519**

**Lab Sample ID: 500-171848-7**

Date Collected: 10/15/19 09:20

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 79.5

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.11</b>		0.040	0.010	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>Naphthalene</b>	<b>0.017</b>	<b>J B</b>	0.040	0.0062	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>Phenanthrene</b>	<b>0.15</b>	<b>B</b>	0.040	0.0056	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>Pyrene</b>	<b>0.45</b>	<b>B</b>	0.040	0.0080	mg/Kg	☼	10/22/19 08:14	10/23/19 21:49	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	87		31 - 143				10/22/19 08:14	10/23/19 21:49	1
2-Fluorobiphenyl	95		43 - 145				10/22/19 08:14	10/23/19 21:49	1
2-Fluorophenol	80		31 - 166				10/22/19 08:14	10/23/19 21:49	1
Nitrobenzene-d5	86		37 - 147				10/22/19 08:14	10/23/19 21:49	1
Phenol-d5	72		30 - 153				10/22/19 08:14	10/23/19 21:49	1
Terphenyl-d14	116		42 - 157				10/22/19 08:14	10/23/19 21:49	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		10/23/19 08:46	10/24/19 23:54	1
<b>Barium</b>	<b>0.17</b>	<b>J</b>	0.50	0.050	mg/L		10/23/19 08:46	10/24/19 23:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/19 08:46	10/24/19 23:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:46	10/24/19 23:54	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/24/19 23:54	1
Cobalt	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/24/19 23:54	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/24/19 23:54	1
Iron	<0.40		0.40	0.20	mg/L		10/23/19 08:46	10/24/19 23:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:46	10/24/19 23:54	1
<b>Manganese</b>	<b>0.88</b>		0.025	0.010	mg/L		10/23/19 08:46	10/24/19 23:54	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/24/19 23:54	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:46	10/24/19 23:54	1
Silver	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/24/19 23:54	1
<b>Zinc</b>	<b>0.17</b>	<b>J B</b>	0.50	0.020	mg/L		10/23/19 08:46	10/24/19 23:54	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		10/23/19 08:43	10/25/19 20:31	1
Barium	<0.50		0.50	0.050	mg/L		10/23/19 08:43	10/25/19 20:31	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/23/19 08:43	10/25/19 01:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:43	10/25/19 01:02	1
<b>Chromium</b>	<b>0.012</b>	<b>J ^</b>	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:02	1
Cobalt	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:02	1
<b>Copper</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:02	1
<b>Iron</b>	<b>7.0</b>		0.40	0.20	mg/L		10/23/19 08:43	10/25/19 20:31	1
<b>Lead</b>	<b>0.024</b>		0.0075	0.0075	mg/L		10/23/19 08:43	10/25/19 01:02	1
<b>Manganese</b>	<b>0.048</b>		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 20:31	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:02	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:43	10/25/19 20:31	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(5-10)-101519**

**Lab Sample ID: 500-171848-7**

Date Collected: 10/15/19 09:20

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 79.5

**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		10/23/19 08:43	10/25/19 01:02	1
Zinc	0.052	J ^	0.50	0.020	mg/L		10/23/19 08:43	10/25/19 01:02	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.59	J	1.1	0.22	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Arsenic	4.0		0.57	0.20	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Barium	31		0.57	0.065	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Beryllium	0.31		0.23	0.053	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Cadmium	0.28	B	0.11	0.021	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Calcium	100000	B	110	19	mg/Kg	☼	10/23/19 09:29	10/25/19 16:34	10
Chromium	6.6		0.57	0.28	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Cobalt	4.8		0.29	0.075	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Copper	23		0.57	0.16	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Iron	11000		11	5.9	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Lead	66		0.29	0.13	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Magnesium	48000		57	28	mg/Kg	☼	10/23/19 09:29	10/25/19 16:34	10
Manganese	430		0.57	0.083	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Nickel	10		0.57	0.17	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Potassium	890		29	10	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Selenium	0.61	B	0.57	0.34	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Silver	1.4		0.29	0.074	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Sodium	360		57	8.5	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Thallium	<0.57		0.57	0.29	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Vanadium	11		0.29	0.067	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1
Zinc	79		1.1	0.50	mg/Kg	☼	10/23/19 09:29	10/24/19 22:50	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/23/19 09:55	10/24/19 10:09	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/24/19 10:05	10/25/19 08:43	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.019	0.0063	mg/Kg	☼	10/21/19 14:40	10/22/19 08:39	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/21/19 08:42	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(10-15)-101519**

**Lab Sample ID: 500-171848-8**

**Date Collected: 10/15/19 09:30**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 78.3**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
<b>Acetone</b>	<b>0.030</b>		0.018	0.0078	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Bromomethane	<0.0045 *		0.0045	0.0017	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	10/16/19 18:35	10/23/19 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	10/16/19 18:35	10/23/19 18:17	1
4-Bromofluorobenzene (Surr)	107		75 - 131	10/16/19 18:35	10/23/19 18:17	1
Dibromofluoromethane	95		75 - 126	10/16/19 18:35	10/23/19 18:17	1
Toluene-d8 (Surr)	95		75 - 124	10/16/19 18:35	10/23/19 18:17	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(10-15)-101519**

**Lab Sample ID: 500-171848-8**

**Date Collected: 10/15/19 09:30**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 78.3**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.42		0.42	0.095	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
2,4,6-Trichlorophenol	<0.42		0.42	0.14	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
2,4-Dichlorophenol	<0.42		0.42	0.099	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
2,4-Dinitrophenol	<0.84		0.84	0.74	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
2-Methylnaphthalene	<0.084		0.084	0.0077	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
2-Nitrophenol	<0.42		0.42	0.099	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
3 & 4 Methylphenol	<0.21		0.21	0.070	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.059	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.34	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
4-Nitroaniline	<0.42		0.42	0.17	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Acenaphthene	<0.042		0.042	0.0075	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Acenaphthylene	<0.042		0.042	0.0055	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Anthracene	<0.042		0.042	0.0070	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Benzo[a]anthracene	<0.042		0.042	0.0056	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Benzo[a]pyrene	<0.042		0.042	0.0081	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Benzo[b]fluoranthene	<0.042		0.042	0.0090	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Benzo[g,h,i]perylene	<0.042		0.042	0.013	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Benzo[k]fluoranthene	<0.042		0.042	0.012	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Butyl benzyl phthalate	<0.21		0.21	0.080	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Chrysene	<0.042		0.042	0.011	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0081	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Fluoranthene	<0.042		0.042	0.0078	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Fluorene	<0.042		0.042	0.0059	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Hexachlorobenzene	<0.084		0.084	0.0097	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Hexachloroethane	<0.21		0.21	0.064	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(10-15)-101519**

**Lab Sample ID: 500-171848-8**

Date Collected: 10/15/19 09:30

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 78.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.042		0.042	0.011	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Naphthalene	<0.042		0.042	0.0064	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Nitrobenzene	<0.042		0.042	0.010	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
<b>Phenanthrene</b>	<b>0.078</b>	<b>B</b>	0.042	0.0058	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Phenol	<0.21		0.21	0.093	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
<b>Pyrene</b>	<b>0.033</b>	<b>J B</b>	0.042	0.0083	mg/Kg	☼	10/22/19 08:14	10/23/19 22:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	59		31 - 143				10/22/19 08:14	10/23/19 22:17	1
2-Fluorobiphenyl	84		43 - 145				10/22/19 08:14	10/23/19 22:17	1
2-Fluorophenol	75		31 - 166				10/22/19 08:14	10/23/19 22:17	1
Nitrobenzene-d5	77		37 - 147				10/22/19 08:14	10/23/19 22:17	1
Phenol-d5	66		30 - 153				10/22/19 08:14	10/23/19 22:17	1
Terphenyl-d14	92		42 - 157				10/22/19 08:14	10/23/19 22:17	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		10/23/19 08:46	10/24/19 23:58	1
<b>Barium</b>	<b>0.44</b>	<b>J</b>	0.50	0.050	mg/L		10/23/19 08:46	10/24/19 23:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/19 08:46	10/24/19 23:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:46	10/24/19 23:58	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/24/19 23:58	1
Cobalt	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/24/19 23:58	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/24/19 23:58	1
Iron	<0.40		0.40	0.20	mg/L		10/23/19 08:46	10/24/19 23:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:46	10/24/19 23:58	1
<b>Manganese</b>	<b>2.2</b>		0.025	0.010	mg/L		10/23/19 08:46	10/24/19 23:58	1
<b>Nickel</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/23/19 08:46	10/24/19 23:58	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:46	10/24/19 23:58	1
Silver	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/24/19 23:58	1
<b>Zinc</b>	<b>0.023</b>	<b>J B</b>	0.50	0.020	mg/L		10/23/19 08:46	10/24/19 23:58	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/19 08:43	10/25/19 20:35	1
Barium	<0.50		0.50	0.050	mg/L		10/23/19 08:43	10/25/19 20:35	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/23/19 08:43	10/25/19 01:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:43	10/25/19 01:06	1
Chromium	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:06	1
Cobalt	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:06	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:06	1
<b>Iron</b>	<b>0.31</b>	<b>J</b>	0.40	0.20	mg/L		10/23/19 08:43	10/25/19 20:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:43	10/25/19 01:06	1
<b>Manganese</b>	<b>0.014</b>	<b>J ^</b>	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:06	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:06	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:43	10/25/19 20:35	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(10-15)-101519**

**Lab Sample ID: 500-171848-8**

Date Collected: 10/15/19 09:30

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 78.3

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:06	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/23/19 08:43	10/25/19 01:06	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.71	J	1.2	0.24	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Arsenic	6.6		0.62	0.21	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Barium	60		0.62	0.071	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Beryllium	0.93		0.25	0.058	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Cadmium	0.051	J B	0.12	0.022	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Calcium	36000	B	12	2.1	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Chromium	21		0.62	0.31	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Cobalt	20		0.31	0.081	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Copper	32		0.62	0.17	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Iron	24000		12	6.5	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Lead	16		0.31	0.14	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Magnesium	19000		6.2	3.1	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Manganese	330		0.62	0.090	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Nickel	44		0.62	0.18	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Potassium	3900		31	11	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Selenium	0.47	J B	0.62	0.37	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Silver	3.3		0.31	0.080	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Sodium	390		62	9.2	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Thallium	1.2		0.62	0.31	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Vanadium	25		0.31	0.073	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1
Zinc	57		1.2	0.55	mg/Kg	☼	10/23/19 09:29	10/24/19 22:54	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/23/19 09:55	10/24/19 10:10	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/24/19 10:05	10/25/19 08:45	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.021	0.0069	mg/Kg	☼	10/21/19 14:40	10/22/19 08:41	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/21/19 08:42	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(10-15)-101519D**

**Lab Sample ID: 500-171848-9**

Date Collected: 10/15/19 09:30

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 74.6

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00065	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00083	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00068	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
<b>Acetone</b>	<b>0.018</b>	<b>J</b>	0.019	0.0084	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Bromomethane	<0.0048	*	0.0048	0.0018	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Carbon disulfide	<0.0048		0.0048	0.0010	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Chlorobenzene	<0.0019		0.0019	0.00071	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Chloroform	<0.0019		0.0019	0.00067	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Ethylbenzene	<0.0019		0.0019	0.00092	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0021	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00057	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Tetrachloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Toluene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00085	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00068	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Vinyl chloride	<0.0019		0.0019	0.00085	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1
Xylenes, Total	<0.0039		0.0039	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	10/16/19 18:35	10/23/19 18:43	1
4-Bromofluorobenzene (Surr)	103		75 - 131	10/16/19 18:35	10/23/19 18:43	1
Dibromofluoromethane	94		75 - 126	10/16/19 18:35	10/23/19 18:43	1
Toluene-d8 (Surr)	94		75 - 124	10/16/19 18:35	10/23/19 18:43	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.22		0.22	0.047	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
1,2-Dichlorobenzene	<0.22		0.22	0.053	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
1,3-Dichlorobenzene	<0.22		0.22	0.050	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
1,4-Dichlorobenzene	<0.22		0.22	0.056	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
2,2'-oxybis[1-chloropropane]	<0.22		0.22	0.051	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(10-15)-101519D**

**Lab Sample ID: 500-171848-9**

Date Collected: 10/15/19 09:30

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 74.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.44		0.44	0.10	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
2,4,6-Trichlorophenol	<0.44		0.44	0.15	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
2,4-Dichlorophenol	<0.44		0.44	0.10	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
2,4-Dimethylphenol	<0.44		0.44	0.17	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
2,4-Dinitrophenol	<0.89		0.89	0.78	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
2,4-Dinitrotoluene	<0.22		0.22	0.070	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
2,6-Dinitrotoluene	<0.22		0.22	0.087	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
2-Chloronaphthalene	<0.22		0.22	0.049	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
2-Chlorophenol	<0.22		0.22	0.075	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
2-Methylnaphthalene	<0.089		0.089	0.0081	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
2-Methylphenol	<0.22		0.22	0.071	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
2-Nitroaniline	<0.22		0.22	0.059	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
2-Nitrophenol	<0.44		0.44	0.10	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
3 & 4 Methylphenol	<0.22		0.22	0.073	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
3,3'-Dichlorobenzidine	<0.22		0.22	0.062	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
3-Nitroaniline	<0.44		0.44	0.14	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
4,6-Dinitro-2-methylphenol	<0.89		0.89	0.35	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
4-Bromophenyl phenyl ether	<0.22		0.22	0.058	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
4-Chloro-3-methylphenol	<0.44		0.44	0.15	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
4-Chloroaniline	<0.89		0.89	0.21	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
4-Chlorophenyl phenyl ether	<0.22		0.22	0.051	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
4-Nitroaniline	<0.44		0.44	0.18	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
4-Nitrophenol	<0.89		0.89	0.42	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
<b>Acenaphthene</b>	<b>0.013</b>	<b>J B</b>	0.044	0.0079	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Acenaphthylene	<0.044		0.044	0.0058	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Anthracene	<0.044		0.044	0.0074	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Benzo[a]anthracene	<0.044		0.044	0.0059	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Benzo[a]pyrene	<0.044		0.044	0.0085	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Benzo[b]fluoranthene	<0.044		0.044	0.0095	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Benzo[g,h,i]perylene	<0.044		0.044	0.014	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Benzo[k]fluoranthene	<0.044		0.044	0.013	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Bis(2-chloroethoxy)methane	<0.22		0.22	0.045	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Bis(2-chloroethyl)ether	<0.22		0.22	0.066	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Bis(2-ethylhexyl) phthalate	<0.22		0.22	0.080	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Butyl benzyl phthalate	<0.22		0.22	0.084	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Carbazole	<0.22		0.22	0.11	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
<b>Chrysene</b>	<b>0.029</b>	<b>J</b>	0.044	0.012	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Dibenz(a,h)anthracene	<0.044		0.044	0.0085	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Dibenzofuran	<0.22		0.22	0.052	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Diethyl phthalate	<0.22		0.22	0.075	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Dimethyl phthalate	<0.22		0.22	0.058	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Di-n-butyl phthalate	<0.22		0.22	0.067	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Di-n-octyl phthalate	<0.22		0.22	0.072	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Fluoranthene	<0.044		0.044	0.0082	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Fluorene	<0.044		0.044	0.0062	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Hexachlorobenzene	<0.089		0.089	0.010	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Hexachlorobutadiene	<0.22		0.22	0.069	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Hexachlorocyclopentadiene	<0.89		0.89	0.25	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Hexachloroethane	<0.22		0.22	0.067	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(10-15)-101519D**

**Lab Sample ID: 500-171848-9**

Date Collected: 10/15/19 09:30

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 74.6

**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	<0.044		0.044	0.011	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Isophorone	<0.22		0.22	0.049	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Naphthalene	<0.044		0.044	0.0068	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Nitrobenzene	<0.044		0.044	0.011	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
N-Nitrosodi-n-propylamine	<0.089		0.089	0.054	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
N-Nitrosodiphenylamine	<0.22		0.22	0.052	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Pentachlorophenol	<0.89		0.89	0.71	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
<b>Phenanthrene</b>	<b>0.098</b>	<b>B</b>	0.044	0.0061	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Phenol	<0.22		0.22	0.098	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
<b>Pyrene</b>	<b>0.026</b>	<b>J B</b>	0.044	0.0087	mg/Kg	☼	10/22/19 08:14	10/23/19 22:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	55		31 - 143				10/22/19 08:14	10/23/19 22:45	1
2-Fluorobiphenyl	88		43 - 145				10/22/19 08:14	10/23/19 22:45	1
2-Fluorophenol	81		31 - 166				10/22/19 08:14	10/23/19 22:45	1
Nitrobenzene-d5	82		37 - 147				10/22/19 08:14	10/23/19 22:45	1
Phenol-d5	72		30 - 153				10/22/19 08:14	10/23/19 22:45	1
Terphenyl-d14	101		42 - 157				10/22/19 08:14	10/23/19 22:45	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		10/23/19 08:46	10/25/19 00:02	1
<b>Barium</b>	<b>0.54</b>		0.50	0.050	mg/L		10/23/19 08:46	10/25/19 00:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/19 08:46	10/25/19 00:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:46	10/25/19 00:02	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:02	1
<b>Cobalt</b>	<b>0.044</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:02	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:02	1
Iron	<0.40		0.40	0.20	mg/L		10/23/19 08:46	10/25/19 00:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:46	10/25/19 00:02	1
<b>Manganese</b>	<b>2.4</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:02	1
<b>Nickel</b>	<b>0.062</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:02	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:46	10/25/19 00:02	1
Silver	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:02	1
Zinc	<0.50		0.50	0.020	mg/L		10/23/19 08:46	10/25/19 00:02	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/19 08:43	10/25/19 20:39	1
Barium	<0.50		0.50	0.050	mg/L		10/23/19 08:43	10/25/19 20:39	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/23/19 08:43	10/25/19 01:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:43	10/25/19 01:10	1
Chromium	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:10	1
Cobalt	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:10	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:10	1
<b>Iron</b>	<b>1.2</b>		0.40	0.20	mg/L		10/23/19 08:43	10/25/19 20:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:43	10/25/19 01:10	1
<b>Manganese</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 20:39	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:10	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:43	10/25/19 20:39	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(10-15)-101519D**

**Lab Sample ID: 500-171848-9**

Date Collected: 10/15/19 09:30

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 74.6

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:10	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/23/19 08:43	10/25/19 01:10	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.50	J	1.3	0.26	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Arsenic	5.4		0.66	0.22	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Barium	45		0.66	0.075	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Beryllium	1.0		0.26	0.061	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Cadmium	0.029	J B	0.13	0.024	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Calcium	21000	B	13	2.2	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Chromium	22		0.66	0.32	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Cobalt	17		0.33	0.086	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Copper	30		0.66	0.18	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Iron	23000		13	6.8	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Lead	15		0.33	0.15	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Magnesium	14000		6.6	3.3	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Manganese	270		0.66	0.095	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Nickel	47		0.66	0.19	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Potassium	4300		33	12	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Selenium	0.60	J B	0.66	0.39	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Silver	3.1		0.33	0.085	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Sodium	280		66	9.7	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Thallium	1.2		0.66	0.33	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Vanadium	25		0.33	0.077	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1
Zinc	57		1.3	0.58	mg/Kg	☼	10/23/19 09:29	10/24/19 22:58	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/23/19 09:55	10/24/19 10:12	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/24/19 10:05	10/25/19 08:46	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.020	0.0067	mg/Kg	☼	10/21/19 14:40	10/22/19 08:43	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/21/19 08:42	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(15-20)-101519**

**Lab Sample ID: 500-171848-10**

Date Collected: 10/15/19 09:44

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 74.8

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0021		0.0021	0.00070	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
1,1,2,2-Tetrachloroethane	<0.0021		0.0021	0.00066	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
1,1,2-Trichloroethane	<0.0021		0.0021	0.00089	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
1,1-Dichloroethane	<0.0021		0.0021	0.00071	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
1,1-Dichloroethene	<0.0021		0.0021	0.00071	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
1,2-Dichloroethane	<0.0052		0.0052	0.0016	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
1,2-Dichloropropane	<0.0021		0.0021	0.00054	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
1,3-Dichloropropene, Total	<0.0021		0.0021	0.00073	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
2-Hexanone	<0.0052		0.0052	0.0016	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Acetone	<0.021		0.021	0.0090	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Benzene	<0.0021		0.0021	0.00053	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Bromodichloromethane	<0.0021		0.0021	0.00042	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Bromoform	<0.0021		0.0021	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Bromomethane	<0.0052 *		0.0052	0.0020	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Carbon disulfide	<0.0052		0.0052	0.0011	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Carbon tetrachloride	<0.0021		0.0021	0.00060	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Chlorobenzene	<0.0021		0.0021	0.00077	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Chloroethane	<0.0052		0.0052	0.0015	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Chloroform	<0.0021		0.0021	0.00072	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Chloromethane	<0.0052		0.0052	0.0021	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
cis-1,2-Dichloroethene	<0.0021		0.0021	0.00058	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
cis-1,3-Dichloropropene	<0.0021		0.0021	0.00063	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Dibromochloromethane	<0.0021		0.0021	0.00068	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Ethylbenzene	<0.0021		0.0021	0.00099	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Methyl Ethyl Ketone	<0.0052		0.0052	0.0023	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
methyl isobutyl ketone	<0.0052		0.0052	0.0015	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Methyl tert-butyl ether	<0.0021		0.0021	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Methylene Chloride	<0.0052		0.0052	0.0020	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Styrene	<0.0021		0.0021	0.00063	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Tetrachloroethene	<0.0021		0.0021	0.00071	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Toluene	<0.0021		0.0021	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
trans-1,2-Dichloroethene	<0.0021		0.0021	0.00092	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
trans-1,3-Dichloropropene	<0.0021		0.0021	0.00073	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Trichloroethene	<0.0021		0.0021	0.00070	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Vinyl chloride	<0.0021		0.0021	0.00092	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1
Xylenes, Total	<0.0041		0.0041	0.00066	mg/Kg	☼	10/16/19 18:35	10/23/19 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	10/16/19 18:35	10/23/19 19:09	1
4-Bromofluorobenzene (Surr)	108		75 - 131	10/16/19 18:35	10/23/19 19:09	1
Dibromofluoromethane	92		75 - 126	10/16/19 18:35	10/23/19 19:09	1
Toluene-d8 (Surr)	97		75 - 124	10/16/19 18:35	10/23/19 19:09	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.22		0.22	0.048	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
1,2-Dichlorobenzene	<0.22		0.22	0.053	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
1,3-Dichlorobenzene	<0.22		0.22	0.050	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
1,4-Dichlorobenzene	<0.22		0.22	0.057	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
2,2'-oxybis[1-chloropropane]	<0.22		0.22	0.051	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(15-20)-101519**

**Lab Sample ID: 500-171848-10**

**Date Collected: 10/15/19 09:44**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 74.8**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.44		0.44	0.10	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
2,4,6-Trichlorophenol	<0.44		0.44	0.15	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
2,4-Dichlorophenol	<0.44		0.44	0.11	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
2,4-Dimethylphenol	<0.44		0.44	0.17	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
2,4-Dinitrophenol	<0.89		0.89	0.78	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
2,4-Dinitrotoluene	<0.22		0.22	0.070	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
2,6-Dinitrotoluene	<0.22		0.22	0.087	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
2-Chloronaphthalene	<0.22		0.22	0.049	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
2-Chlorophenol	<0.22		0.22	0.076	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
<b>2-Methylnaphthalene</b>	<b>0.016</b>	<b>J B</b>	0.089	0.0081	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
2-Methylphenol	<0.22		0.22	0.071	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
2-Nitroaniline	<0.22		0.22	0.060	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
2-Nitrophenol	<0.44		0.44	0.10	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
3 & 4 Methylphenol	<0.22		0.22	0.074	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
3,3'-Dichlorobenzidine	<0.22		0.22	0.062	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
3-Nitroaniline	<0.44		0.44	0.14	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
4,6-Dinitro-2-methylphenol	<0.89		0.89	0.36	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
4-Bromophenyl phenyl ether	<0.22		0.22	0.058	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
4-Chloro-3-methylphenol	<0.44		0.44	0.15	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
4-Chloroaniline	<0.89		0.89	0.21	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
4-Chlorophenyl phenyl ether	<0.22		0.22	0.052	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
4-Nitroaniline	<0.44		0.44	0.19	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
4-Nitrophenol	<0.89		0.89	0.42	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Acenaphthene	<0.044		0.044	0.0080	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Acenaphthylene	<0.044		0.044	0.0058	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Anthracene	<0.044		0.044	0.0074	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Benzo[a]anthracene	<0.044		0.044	0.0060	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Benzo[a]pyrene	<0.044		0.044	0.0086	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Benzo[b]fluoranthene	<0.044		0.044	0.0096	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Benzo[g,h,i]perylene	<0.044		0.044	0.014	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Benzo[k]fluoranthene	<0.044		0.044	0.013	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Bis(2-chloroethoxy)methane	<0.22		0.22	0.045	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Bis(2-chloroethyl)ether	<0.22		0.22	0.066	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Bis(2-ethylhexyl) phthalate	<0.22		0.22	0.081	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Butyl benzyl phthalate	<0.22		0.22	0.084	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Carbazole	<0.22		0.22	0.11	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
<b>Chrysene</b>	<b>0.050</b>		0.044	0.012	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Dibenz(a,h)anthracene	<0.044		0.044	0.0086	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Dibenzofuran	<0.22		0.22	0.052	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Diethyl phthalate	<0.22		0.22	0.075	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Dimethyl phthalate	<0.22		0.22	0.058	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Di-n-butyl phthalate	<0.22		0.22	0.067	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Di-n-octyl phthalate	<0.22		0.22	0.072	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Fluoranthene	<0.044		0.044	0.0082	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Fluorene	<0.044		0.044	0.0062	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Hexachlorobenzene	<0.089		0.089	0.010	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Hexachlorobutadiene	<0.22		0.22	0.070	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Hexachlorocyclopentadiene	<0.89		0.89	0.25	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Hexachloroethane	<0.22		0.22	0.067	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(15-20)-101519**

**Lab Sample ID: 500-171848-10**

Date Collected: 10/15/19 09:44

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 74.8

**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	<0.044		0.044	0.011	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Isophorone	<0.22		0.22	0.050	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Naphthalene	<0.044		0.044	0.0068	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Nitrobenzene	<0.044		0.044	0.011	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
N-Nitrosodi-n-propylamine	<0.089		0.089	0.054	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
N-Nitrosodiphenylamine	<0.22		0.22	0.052	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Pentachlorophenol	<0.89		0.89	0.71	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
<b>Phenanthrene</b>	<b>0.16</b>	<b>B</b>	0.044	0.0062	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
Phenol	<0.22		0.22	0.098	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1
<b>Pyrene</b>	<b>0.040</b>	<b>J B</b>	0.044	0.0088	mg/Kg	☼	10/22/19 08:14	10/23/19 23:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	42		31 - 143	10/22/19 08:14	10/23/19 23:14	1
2-Fluorobiphenyl	80		43 - 145	10/22/19 08:14	10/23/19 23:14	1
2-Fluorophenol	75		31 - 166	10/22/19 08:14	10/23/19 23:14	1
Nitrobenzene-d5	76		37 - 147	10/22/19 08:14	10/23/19 23:14	1
Phenol-d5	67		30 - 153	10/22/19 08:14	10/23/19 23:14	1
Terphenyl-d14	87		42 - 157	10/22/19 08:14	10/23/19 23:14	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/19 08:46	10/25/19 00:15	1
<b>Barium</b>	<b>0.67</b>		0.50	0.050	mg/L		10/23/19 08:46	10/25/19 00:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/19 08:46	10/25/19 00:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:46	10/25/19 00:15	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:15	1
<b>Cobalt</b>	<b>0.029</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:15	1
<b>Copper</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:15	1
Iron	<0.40		0.40	0.20	mg/L		10/23/19 08:46	10/25/19 00:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:46	10/25/19 00:15	1
<b>Manganese</b>	<b>2.3</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:15	1
<b>Nickel</b>	<b>0.069</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:15	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:46	10/25/19 00:15	1
Silver	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:15	1
<b>Zinc</b>	<b>0.032</b>	<b>J B</b>	0.50	0.020	mg/L		10/23/19 08:46	10/25/19 00:15	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/19 08:43	10/25/19 20:51	1
Barium	<0.50		0.50	0.050	mg/L		10/23/19 08:43	10/25/19 20:51	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/23/19 08:43	10/25/19 01:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:43	10/25/19 01:14	1
Chromium	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:14	1
Cobalt	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:14	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:14	1
<b>Iron</b>	<b>0.25</b>	<b>J</b>	0.40	0.20	mg/L		10/23/19 08:43	10/25/19 20:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:43	10/25/19 01:14	1
<b>Manganese</b>	<b>0.036</b>		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 20:51	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:14	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:43	10/25/19 20:51	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(15-20)-101519**

**Lab Sample ID: 500-171848-10**

Date Collected: 10/15/19 09:44

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 74.8

**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		10/23/19 08:43	10/25/19 01:14	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/23/19 08:43	10/25/19 01:14	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.62	J	1.2	0.24	mg/Kg	☼	10/23/19 09:29	10/25/19 16:38	1
Arsenic	7.9		0.62	0.21	mg/Kg	☼	10/23/19 09:29	10/24/19 23:10	1
Barium	40		0.62	0.070	mg/Kg	☼	10/23/19 09:29	10/24/19 23:10	1
Beryllium	0.94		0.25	0.057	mg/Kg	☼	10/23/19 09:29	10/24/19 23:10	1
Cadmium	0.045	J B	0.12	0.022	mg/Kg	☼	10/23/19 09:29	10/24/19 23:10	1
Calcium	32000	B	12	2.1	mg/Kg	☼	10/23/19 09:29	10/25/19 16:38	1
Chromium	19		0.62	0.30	mg/Kg	☼	10/23/19 09:29	10/24/19 23:10	1
Cobalt	17		0.31	0.081	mg/Kg	☼	10/23/19 09:29	10/24/19 23:10	1
Copper	32		0.62	0.17	mg/Kg	☼	10/23/19 09:29	10/24/19 23:10	1
Iron	22000		12	6.4	mg/Kg	☼	10/23/19 09:29	10/25/19 16:38	1
Lead	16		0.31	0.14	mg/Kg	☼	10/23/19 09:29	10/24/19 23:10	1
Magnesium	17000		6.2	3.1	mg/Kg	☼	10/23/19 09:29	10/24/19 23:10	1
Manganese	300		0.62	0.089	mg/Kg	☼	10/23/19 09:29	10/25/19 16:38	1
Nickel	45		0.62	0.18	mg/Kg	☼	10/23/19 09:29	10/24/19 23:10	1
Potassium	3800		31	11	mg/Kg	☼	10/23/19 09:29	10/24/19 23:10	1
Selenium	0.68	B	0.62	0.36	mg/Kg	☼	10/23/19 09:29	10/24/19 23:10	1
Silver	2.7		0.31	0.079	mg/Kg	☼	10/23/19 09:29	10/24/19 23:10	1
Sodium	220		62	9.1	mg/Kg	☼	10/23/19 09:29	10/24/19 23:10	1
Thallium	1.1		0.62	0.31	mg/Kg	☼	10/23/19 09:29	10/24/19 23:10	1
Vanadium	22		0.31	0.073	mg/Kg	☼	10/23/19 09:29	10/24/19 23:10	1
Zinc	50		1.2	0.54	mg/Kg	☼	10/23/19 09:29	10/25/19 16:38	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/23/19 09:55	10/24/19 10:13	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/24/19 10:05	10/25/19 08:48	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.021	0.0069	mg/Kg	☼	10/21/19 14:40	10/22/19 08:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/21/19 08:42	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(26-34)-101519**

**Lab Sample ID: 500-171848-11**

**Date Collected: 10/15/19 09:50**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 79.8**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
<b>Acetone</b>	<b>0.026</b>		0.018	0.0078	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Bromomethane	<0.0045 *		0.0045	0.0017	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	10/16/19 18:35	10/23/19 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	10/16/19 18:35	10/23/19 19:35	1
4-Bromofluorobenzene (Surr)	104		75 - 131	10/16/19 18:35	10/23/19 19:35	1
Dibromofluoromethane	95		75 - 126	10/16/19 18:35	10/23/19 19:35	1
Toluene-d8 (Surr)	94		75 - 124	10/16/19 18:35	10/23/19 19:35	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(26-34)-101519**

**Lab Sample ID: 500-171848-11**

Date Collected: 10/15/19 09:50

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 79.8

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
<b>2-Methylnaphthalene</b>	<b>0.064</b>	<b>J B</b>	0.081	0.0074	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
<b>Benzo[g,h,i]perylene</b>	<b>0.018</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
<b>Chrysene</b>	<b>0.034</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(26-34)-101519**

**Lab Sample ID: 500-171848-11**

**Date Collected: 10/15/19 09:50**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 79.8**

**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	<0.040		0.040	0.010	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
<b>Phenanthrene</b>	<b>0.13</b>	<b>B</b>	0.040	0.0056	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	10/22/19 08:14	10/23/19 23:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	50		31 - 143				10/22/19 08:14	10/23/19 23:42	1
2-Fluorobiphenyl	84		43 - 145				10/22/19 08:14	10/23/19 23:42	1
2-Fluorophenol	71		31 - 166				10/22/19 08:14	10/23/19 23:42	1
Nitrobenzene-d5	75		37 - 147				10/22/19 08:14	10/23/19 23:42	1
Phenol-d5	63		30 - 153				10/22/19 08:14	10/23/19 23:42	1
Terphenyl-d14	97		42 - 157				10/22/19 08:14	10/23/19 23:42	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/19 08:46	10/25/19 00:19	1
<b>Barium</b>	<b>0.61</b>		0.50	0.050	mg/L		10/23/19 08:46	10/25/19 00:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/19 08:46	10/25/19 00:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:46	10/25/19 00:19	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:19	1
<b>Cobalt</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:19	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:19	1
Iron	<0.40		0.40	0.20	mg/L		10/23/19 08:46	10/25/19 00:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:46	10/25/19 00:19	1
<b>Manganese</b>	<b>1.8</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:19	1
<b>Nickel</b>	<b>0.048</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:19	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:46	10/25/19 00:19	1
Silver	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:19	1
<b>Zinc</b>	<b>0.033</b>	<b>J B</b>	0.50	0.020	mg/L		10/23/19 08:46	10/25/19 00:19	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		10/23/19 08:43	10/25/19 20:56	1
<b>Barium</b>	<b>0.053</b>	<b>J</b>	0.50	0.050	mg/L		10/23/19 08:43	10/25/19 20:56	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/23/19 08:43	10/25/19 01:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:43	10/25/19 01:18	1
Chromium	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:18	1
Cobalt	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:18	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:18	1
<b>Iron</b>	<b>3.0</b>		0.40	0.20	mg/L		10/23/19 08:43	10/25/19 20:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:43	10/25/19 01:18	1
<b>Manganese</b>	<b>0.035</b>		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 20:56	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:18	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:43	10/25/19 20:56	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(26-34)-101519**

**Lab Sample ID: 500-171848-11**

Date Collected: 10/15/19 09:50

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 79.8

**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		10/23/19 08:43	10/25/19 01:18	1
Zinc	0.020	J ^	0.50	0.020	mg/L		10/23/19 08:43	10/25/19 01:18	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.80	J	1.2	0.23	mg/Kg	☼	10/23/19 09:29	10/25/19 16:42	1
Arsenic	6.8		0.60	0.21	mg/Kg	☼	10/23/19 09:29	10/24/19 23:14	1
Barium	34		0.60	0.069	mg/Kg	☼	10/23/19 09:29	10/24/19 23:14	1
Beryllium	0.69		0.24	0.056	mg/Kg	☼	10/23/19 09:29	10/24/19 23:14	1
Cadmium	0.095	J B	0.12	0.022	mg/Kg	☼	10/23/19 09:29	10/24/19 23:14	1
Calcium	80000	B	120	20	mg/Kg	☼	10/23/19 09:29	10/25/19 16:46	10
Chromium	15		0.60	0.30	mg/Kg	☼	10/23/19 09:29	10/24/19 23:14	1
Cobalt	12		0.30	0.079	mg/Kg	☼	10/23/19 09:29	10/24/19 23:14	1
Copper	26		0.60	0.17	mg/Kg	☼	10/23/19 09:29	10/24/19 23:14	1
Iron	19000		12	6.3	mg/Kg	☼	10/23/19 09:29	10/25/19 16:42	1
Lead	12		0.30	0.14	mg/Kg	☼	10/23/19 09:29	10/24/19 23:14	1
Magnesium	28000		6.0	3.0	mg/Kg	☼	10/23/19 09:29	10/24/19 23:14	1
Manganese	320		0.60	0.087	mg/Kg	☼	10/23/19 09:29	10/25/19 16:42	1
Nickel	32		0.60	0.18	mg/Kg	☼	10/23/19 09:29	10/24/19 23:14	1
Potassium	2800		30	11	mg/Kg	☼	10/23/19 09:29	10/24/19 23:14	1
Selenium	0.59	J B	0.60	0.35	mg/Kg	☼	10/23/19 09:29	10/24/19 23:14	1
Silver	2.2		0.30	0.078	mg/Kg	☼	10/23/19 09:29	10/24/19 23:14	1
Sodium	180		60	8.9	mg/Kg	☼	10/23/19 09:29	10/24/19 23:14	1
Thallium	0.72		0.60	0.30	mg/Kg	☼	10/23/19 09:29	10/24/19 23:14	1
Vanadium	19		0.30	0.071	mg/Kg	☼	10/23/19 09:29	10/24/19 23:14	1
Zinc	45		1.2	0.53	mg/Kg	☼	10/23/19 09:29	10/25/19 16:42	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/23/19 09:55	10/24/19 10:15	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/24/19 10:05	10/25/19 09:18	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.021	0.0069	mg/Kg	☼	10/21/19 14:40	10/22/19 08:58	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/21/19 08:42	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(34-42)-101519**

**Lab Sample ID: 500-171848-12**

**Date Collected: 10/15/19 10:00**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 80.3**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
<b>Acetone</b>	<b>0.019</b>		0.018	0.0077	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Bromomethane	<0.0044 *		0.0044	0.0017	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0020	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	10/16/19 18:35	10/23/19 20:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 134	10/16/19 18:35	10/23/19 20:01	1
4-Bromofluorobenzene (Surr)	106		75 - 131	10/16/19 18:35	10/23/19 20:01	1
Dibromofluoromethane	92		75 - 126	10/16/19 18:35	10/23/19 20:01	1
Toluene-d8 (Surr)	93		75 - 124	10/16/19 18:35	10/23/19 20:01	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(34-42)-101519**

**Lab Sample ID: 500-171848-12**

Date Collected: 10/15/19 10:00

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 80.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.090	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
<b>2-Methylnaphthalene</b>	<b>0.074</b>	<b>J B</b>	0.080	0.0073	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
<b>Chrysene</b>	<b>0.044</b>		0.039	0.011	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(34-42)-101519**

**Lab Sample ID: 500-171848-12**

Date Collected: 10/15/19 10:00

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 80.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
<b>Phenanthrene</b>	<b>0.17</b>	<b>B</b>	0.039	0.0055	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
<b>Pyrene</b>	<b>0.040</b>	<b>B</b>	0.039	0.0079	mg/Kg	☼	10/22/19 08:14	10/24/19 00:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	46		31 - 143				10/22/19 08:14	10/24/19 00:11	1
2-Fluorobiphenyl	88		43 - 145				10/22/19 08:14	10/24/19 00:11	1
2-Fluorophenol	73		31 - 166				10/22/19 08:14	10/24/19 00:11	1
Nitrobenzene-d5	83		37 - 147				10/22/19 08:14	10/24/19 00:11	1
Phenol-d5	66		30 - 153				10/22/19 08:14	10/24/19 00:11	1
Terphenyl-d14	102		42 - 157				10/22/19 08:14	10/24/19 00:11	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/19 08:46	10/25/19 00:23	1
<b>Barium</b>	<b>0.57</b>		0.50	0.050	mg/L		10/23/19 08:46	10/25/19 00:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/19 08:46	10/25/19 00:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:46	10/25/19 00:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:23	1
<b>Cobalt</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:23	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:23	1
Iron	<0.40		0.40	0.20	mg/L		10/23/19 08:46	10/25/19 00:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:46	10/25/19 00:23	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:23	1
<b>Nickel</b>	<b>0.040</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:23	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:46	10/25/19 00:23	1
Silver	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:23	1
Zinc	<0.50		0.50	0.020	mg/L		10/23/19 08:46	10/25/19 00:23	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/19 08:43	10/25/19 21:00	1
<b>Barium</b>	<b>0.071</b>	<b>J</b>	0.50	0.050	mg/L		10/23/19 08:43	10/25/19 21:00	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/23/19 08:43	10/25/19 01:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:43	10/25/19 01:22	1
<b>Chromium</b>	<b>0.013</b>	<b>J ^</b>	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:22	1
Cobalt	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:22	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:22	1
<b>Iron</b>	<b>6.0</b>		0.40	0.20	mg/L		10/23/19 08:43	10/25/19 21:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:43	10/25/19 01:22	1
<b>Manganese</b>	<b>0.063</b>		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:00	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:22	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:43	10/25/19 21:00	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(34-42)-101519**

**Lab Sample ID: 500-171848-12**

Date Collected: 10/15/19 10:00

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 80.3

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:22	1
Zinc	0.028	J ^	0.50	0.020	mg/L		10/23/19 08:43	10/25/19 01:22	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.73	J	1.2	0.23	mg/Kg	☼	10/23/19 09:29	10/25/19 16:50	1
Arsenic	8.0		0.60	0.21	mg/Kg	☼	10/23/19 09:29	10/24/19 23:18	1
Barium	38		0.60	0.069	mg/Kg	☼	10/23/19 09:29	10/24/19 23:18	1
Beryllium	0.77		0.24	0.056	mg/Kg	☼	10/23/19 09:29	10/24/19 23:18	1
Cadmium	0.10	J B	0.12	0.022	mg/Kg	☼	10/23/19 09:29	10/24/19 23:18	1
Calcium	60000	B	120	20	mg/Kg	☼	10/23/19 09:29	10/25/19 16:54	10
Chromium	16		0.60	0.30	mg/Kg	☼	10/23/19 09:29	10/24/19 23:18	1
Cobalt	15		0.30	0.079	mg/Kg	☼	10/23/19 09:29	10/24/19 23:18	1
Copper	31		0.60	0.17	mg/Kg	☼	10/23/19 09:29	10/24/19 23:18	1
Iron	21000		12	6.3	mg/Kg	☼	10/23/19 09:29	10/25/19 16:50	1
Lead	15		0.30	0.14	mg/Kg	☼	10/23/19 09:29	10/24/19 23:18	1
Magnesium	21000		6.0	3.0	mg/Kg	☼	10/23/19 09:29	10/24/19 23:18	1
Manganese	340		0.60	0.087	mg/Kg	☼	10/23/19 09:29	10/25/19 16:50	1
Nickel	37		0.60	0.18	mg/Kg	☼	10/23/19 09:29	10/24/19 23:18	1
Potassium	3300		30	11	mg/Kg	☼	10/23/19 09:29	10/24/19 23:18	1
Selenium	0.67	B	0.60	0.35	mg/Kg	☼	10/23/19 09:29	10/24/19 23:18	1
Silver	2.5		0.30	0.078	mg/Kg	☼	10/23/19 09:29	10/24/19 23:18	1
Sodium	200		60	8.9	mg/Kg	☼	10/23/19 09:29	10/24/19 23:18	1
Thallium	1.2		0.60	0.30	mg/Kg	☼	10/23/19 09:29	10/24/19 23:18	1
Vanadium	21		0.30	0.071	mg/Kg	☼	10/23/19 09:29	10/24/19 23:18	1
Zinc	58		1.2	0.53	mg/Kg	☼	10/23/19 09:29	10/25/19 16:50	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/23/19 09:55	10/24/19 10:20	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/24/19 10:05	10/25/19 09:20	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.020	0.0068	mg/Kg	☼	10/21/19 14:40	10/22/19 09:00	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/21/19 08:42	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(42-50)-101519**

**Lab Sample ID: 500-171848-13**

**Date Collected: 10/15/19 10:10**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 80.6**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Acetone	<0.018		0.018	0.0077	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Bromoform	<0.0018		0.0018	0.00051	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Bromomethane	<0.0044 *		0.0044	0.0017	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Ethylbenzene	<0.0018		0.0018	0.00084	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0020	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Toluene	<0.0018		0.0018	0.00044	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	10/16/19 18:35	10/23/19 20:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		70 - 134	10/16/19 18:35	10/23/19 20:28	1
4-Bromofluorobenzene (Surr)	107		75 - 131	10/16/19 18:35	10/23/19 20:28	1
Dibromofluoromethane	94		75 - 126	10/16/19 18:35	10/23/19 20:28	1
Toluene-d8 (Surr)	96		75 - 124	10/16/19 18:35	10/23/19 20:28	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(42-50)-101519**

**Lab Sample ID: 500-171848-13**

Date Collected: 10/15/19 10:10

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 80.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
<b>2-Methylnaphthalene</b>	<b>0.10</b>	<b>B</b>	0.081	0.0074	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
<b>Chrysene</b>	<b>0.030</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Hexachlorobenzene	<0.081		0.081	0.0094	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(42-50)-101519**

**Lab Sample ID: 500-171848-13**

Date Collected: 10/15/19 10:10

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 80.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
<b>Phenanthrene</b>	<b>0.12</b>	<b>B</b>	0.040	0.0056	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	10/22/19 08:14	10/24/19 00:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	38		31 - 143	10/22/19 08:14	10/24/19 00:39	1
2-Fluorobiphenyl	77		43 - 145	10/22/19 08:14	10/24/19 00:39	1
2-Fluorophenol	64		31 - 166	10/22/19 08:14	10/24/19 00:39	1
Nitrobenzene-d5	70		37 - 147	10/22/19 08:14	10/24/19 00:39	1
Phenol-d5	58		30 - 153	10/22/19 08:14	10/24/19 00:39	1
Terphenyl-d14	96		42 - 157	10/22/19 08:14	10/24/19 00:39	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		10/23/19 08:46	10/25/19 00:28	1
<b>Barium</b>	<b>0.61</b>		0.50	0.050	mg/L		10/23/19 08:46	10/25/19 00:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/19 08:46	10/25/19 00:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:46	10/25/19 00:28	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:28	1
<b>Cobalt</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:28	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:28	1
Iron	<0.40		0.40	0.20	mg/L		10/23/19 08:46	10/25/19 00:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:46	10/25/19 00:28	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:28	1
<b>Nickel</b>	<b>0.039</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:28	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:46	10/25/19 00:28	1
Silver	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:28	1
Zinc	<0.50		0.50	0.020	mg/L		10/23/19 08:46	10/25/19 00:28	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		10/23/19 08:43	10/25/19 21:04	1
<b>Barium</b>	<b>0.12</b>	<b>J</b>	0.50	0.050	mg/L		10/23/19 08:43	10/25/19 21:04	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/23/19 08:43	10/25/19 01:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:43	10/25/19 01:26	1
<b>Chromium</b>	<b>0.025</b>		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:04	1
Cobalt	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:26	1
<b>Copper</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:26	1
<b>Iron</b>	<b>15</b>		0.40	0.20	mg/L		10/23/19 08:43	10/25/19 21:04	1
<b>Lead</b>	<b>0.010</b>		0.0075	0.0075	mg/L		10/23/19 08:43	10/25/19 01:26	1
<b>Manganese</b>	<b>0.15</b>		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:04	1
<b>Nickel</b>	<b>0.022</b>	<b>J</b>	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:26	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:43	10/25/19 21:04	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: ROW-9(42-50)-101519**

**Lab Sample ID: 500-171848-13**

Date Collected: 10/15/19 10:10

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 80.6

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:26	1
Zinc	0.045	J ^	0.50	0.020	mg/L		10/23/19 08:43	10/25/19 01:26	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.94	J	1.2	0.23	mg/Kg	☼	10/23/19 09:29	10/25/19 17:07	1
Arsenic	10		0.59	0.20	mg/Kg	☼	10/23/19 09:29	10/24/19 23:22	1
Barium	37		0.59	0.068	mg/Kg	☼	10/23/19 09:29	10/24/19 23:22	1
Beryllium	0.76		0.24	0.055	mg/Kg	☼	10/23/19 09:29	10/24/19 23:22	1
Cadmium	0.11	J B	0.12	0.021	mg/Kg	☼	10/23/19 09:29	10/24/19 23:22	1
Calcium	58000	B	120	20	mg/Kg	☼	10/23/19 09:29	10/25/19 17:11	10
Chromium	16		0.59	0.29	mg/Kg	☼	10/23/19 09:29	10/24/19 23:22	1
Cobalt	14		0.30	0.078	mg/Kg	☼	10/23/19 09:29	10/24/19 23:22	1
Copper	30		0.59	0.17	mg/Kg	☼	10/23/19 09:29	10/24/19 23:22	1
Iron	21000		12	6.2	mg/Kg	☼	10/23/19 09:29	10/25/19 17:07	1
Lead	15		0.30	0.14	mg/Kg	☼	10/23/19 09:29	10/24/19 23:22	1
Magnesium	22000		5.9	2.9	mg/Kg	☼	10/23/19 09:29	10/24/19 23:22	1
Manganese	340		0.59	0.086	mg/Kg	☼	10/23/19 09:29	10/25/19 17:07	1
Nickel	36		0.59	0.17	mg/Kg	☼	10/23/19 09:29	10/24/19 23:22	1
Potassium	2800		30	11	mg/Kg	☼	10/23/19 09:29	10/24/19 23:22	1
Selenium	0.51	J B	0.59	0.35	mg/Kg	☼	10/23/19 09:29	10/24/19 23:22	1
Silver	2.3		0.30	0.077	mg/Kg	☼	10/23/19 09:29	10/24/19 23:22	1
Sodium	200		59	8.8	mg/Kg	☼	10/23/19 09:29	10/24/19 23:22	1
Thallium	0.96		0.59	0.30	mg/Kg	☼	10/23/19 09:29	10/24/19 23:22	1
Vanadium	20		0.30	0.070	mg/Kg	☼	10/23/19 09:29	10/24/19 23:22	1
Zinc	52		1.2	0.52	mg/Kg	☼	10/23/19 09:29	10/25/19 17:07	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/23/19 09:55	10/24/19 10:22	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/24/19 10:05	10/25/19 09:21	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.020		0.020	0.0066	mg/Kg	☼	10/21/19 14:40	10/22/19 09:02	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/21/19 08:42	1



# Definitions/Glossary

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### 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.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## 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 - Circle Interchange-WO 003

Job ID: 500-171848-1

## 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 60  
Phone: 708.534.5200 Fax: 708.534



500-171848 COC

Report To (optional) \_\_\_\_\_ Bill To (optional) \_\_\_\_\_  
 Contact: Andri's Slessers Contact: \_\_\_\_\_  
 Company: Weston Solutions Inc. Company: \_\_\_\_\_  
 Address: 300 Piazza Circle Address: \_\_\_\_\_  
 Address: Ste. 202 Mundelein, IL Address: \_\_\_\_\_  
 Phone: 224-864-7201 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_ Fax: \_\_\_\_\_  
 E-Mail: Andri's.Slessers@westonSolutions.com

## Chain of Custody Record

Lab Job #: 500-171848  
 Chain of Custody Number: \_\_\_\_\_  
 Page 1 of 3  
 Temperature °C of Cooler: 5.44, 0.44

Client		Client Project #		Preservative							Preservative Key		
<u>Weston Solutions</u>		<u>56.016.003</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 #		Parameter									
<u>DOT 90/94</u>													
Project Location/State		Lab Project #		Parameter									
<u>Chicago</u>													
Sampler		Lab PM		Parameter									
<u>M. DeWio</u>													
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SUCs	Total metals	TCIP/SPLP metals	PH	Comments	
			Date	Time									
<u>1</u>		<u>CM-1(5-5)-101519</u>	<u>10/15/19</u>	<u>0800</u>	<u>6</u>	<u>S</u>	<u>x</u>	<u>x</u>	<u>x</u>	<u>x</u>	<u>x</u>		
<u>2</u>		<u>CM-1(5-10)-101519</u>		<u>0810</u>									
<u>3</u>		<u>CM-1(10-15)-101519</u>		<u>0815</u>									
<u>4</u>		<u>CM-1(15-20)-101519</u>		<u>0820</u>									
<u>5</u>		<u>CM-1(20-25)-101519</u>		<u>0840</u>									
<u>6</u>		<u>CM-1(XXX)-101519</u>		<u>0856</u>	<u>8</u>	<u>W</u>							
<u>7</u>		<u>Row-9(5-10)-101519</u>		<u>0920</u>	<u>6</u>	<u>S</u>							
<u>8</u>		<u>Row-9(10-15)-101519</u>		<u>0930</u>									
<u>9</u>		<u>Row-9(10-15)-101519D</u>		<u>0930</u>									
<u>10</u>		<u>Row-9(15-20)-101519</u>		<u>0944</u>									

Turnaround Time Required (Business Days) \_\_\_\_\_  
 Requested Due Date \_\_\_\_\_  
 Sample Disposal:  Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>10/16/19</u> Time: <u>1000</u>	Received By: <u>[Signature]</u> Company: <u>JA</u> Date: <u>10/16/19</u> Time: <u>1000</u>	Lab Courier: <u>JA</u>
Relinquished By: <u>[Signature]</u> Company: <u>JA</u> Date: <u>10/16/19</u> Time: <u>1300</u>	Received By: <u>[Signature]</u> Company: <u>JA</u> Date: <u>10/16/19</u> Time: <u>1300</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

Matrix Key: WW - Wastewater, W - Water, S - Soil, SL - Sludge, MS - Miscellaneous, OL - Oil, A - Air, SE - Sediment, SO - Soil, L - Leachate, WI - Wipe, DW - Drinking Water, O - Other

Client Comments: \_\_\_\_\_  
 Lab Comments: \_\_\_\_\_

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
 Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)

Contact: Audrey Slessers  
 Company: Weston Solutions  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: 224-864-7201  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

Bill To (optional)

Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 PO#/Reference#: \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171848  
 Chain of Custody Number: \_\_\_\_\_  
 Page 2 of 3  
 Temperature °C of Cooler: 5.4, 4.0, 4.4

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
Weston Solutions		02056.016.003									
Project Name		Lab Project #		Date		Time		# of Containers		Matrix	
IDOT 90/94											
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix	
Chicago, IL											
Sampler		Lab PM		Date		Time		# of Containers		Matrix	
M. Deh'0											
Lab ID	MS/MSD	Sample ID		Date		Time		# of Containers		Matrix	
11		Row-9(26-34)-101519		10/15/19	0950	6	5	X	X	X	X
12		Row-9(31-42)-101519			1000						
13		Row-9(42-50)-101519			1010						
14		VL-1(0-5)-101519			1040						
15		VL-1(5-10)-101519			1050						
16		VL-1(10-15)-101519			1055						
17		VL-1(10-15)-101519D			1055						
18		VL-1(15-20)-101519			1100						
19		VL-1(20-26)-101519			1105						
20		VL-1(26-34)-101519			1110						

- Preservative Key
- HCL, Cool to 4°
  - H2SO4, Cool to 4°
  - HNO3, Cool to 4°
  - NaOH, Cool to 4°
  - NaOH/Zn, Cool to 4°
  - NaHSO4
  - Cool to 4°
  - None
  - Other

21 Trip Blank

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)

Added by TA

Relinquished By <u>[Signature]</u>	Company Weston	Date 10/16/19	Time 1000	Received By <u>[Signature]</u>	Company TA	Date 10/16/19	Time 1000
Relinquished By <u>[Signature]</u>	Company TA	Date 10/16/19	Time 1300	Received By <u>[Signature]</u>	Company TA	Date 10/16/19	Time 1300

Lab Courier: TA  
 Shipped: \_\_\_\_\_  
 Hand Delivered: \_\_\_\_\_

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_



# Illinois Environmental Protection Agency

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: FAI 90/94 at I-290 from Roosevelt Rd to Lake St Office Phone Number, if available: \_\_\_\_\_

Physical Site Location (address, including number and street):

1100 block of S. Des Plaines Street (ISGS Site No. 2615V2-352)

City: Chicago State: IL Zip Code: \_\_\_\_\_

County: Cook Township: \_\_\_\_\_

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.86869 Longitude: - 87.64408  
(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.): 30

### 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):

LOCATION VL-1 WAS SAMPLED ADJACENT TO ISGS SITE NO. 2615V2-352. SEE FIGURE 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

TESTAMERICA ANALYTICAL REPORT - JOB IDS: 500-171848-1 AND 500-171851-1.  
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, Margaret Doheny-Skubic, 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

Margaret Doheny-Skubic, P.G.  
Printed Name:



\_\_\_\_\_  
Licensed Professional Engineer or  
Licensed Professional Geologist Signature:

1/22/2020

Date:



**Summary Table of ISGS Site No. 2615V2-352**  
**Comparison of Detected Constituents to Applicable Reference Concentrations**  
**Soil Analytical Results**  
**Illinois Department of Transportation**  
**FAI 90/94 at I-290 (Circle Interchange) from Roosevelt Road to Lake Street**  
**Chicago, Cook County, Illinois**

Location	VL-1	VL-1	VL-1	VL-1	VL-1	VL-1	VL-1	VL-1	VL-1	Soil Reference Concentrations <sup>A</sup>
Sample Date	10/15/2019	10/15/2019	10/15/2019	10/15/2019	10/15/2019	10/15/2019	10/15/2019	10/15/2019	10/15/2019	
Sampled Interval	0 - 4	5 - 10	10 - 15	10 - 15	15 - 20	20 - 26	26 - 34	34 - 42	42 - 50	
Field Sample ID	VL-1(0-5)-101519	VL-1(5-10)-101519	VL-1(10-15)-101519D	VL-1(10-15)-101519	VL-1(15-20)-101519	VL-1(20-26)-101519	VL-1(26-34)-101519	VL-1(34-42)-101519	VL-1(42-50)-101519	
Lab Sample ID	500-171848-14	500-171848-15	500-171848-17	500-171848-16	500-171848-18	500-171848-19	500-171848-20	500-171851-1	500-171851-2	
ISGS Site Number	2615V2-352	2615V2-352	2615V2-352	2615V2-352	2615V2-352	2615V2-352	2615V2-352	2615V2-352	2615V2-352	
<b>Parameter</b>										
Laboratory pH (s.u.)	7.9	8	7.8	8	8.1	8.2	8.4	8.6	9	<6.25, >9.0
<b>VOCs (mg/kg)</b>										
Acetone	ND	ND	ND	0.011 J	ND	ND	0.014 J	ND	ND	25
<b>SVOCs (mg/kg)</b>										
2-Methylnaphthalene	ND	ND	ND	ND	0.04 J	0.054 J	0.062 J	0.042 J	0.035 J	---
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	0.011 J	0.011 J	570
Benzo(a)anthracene	0.12 B	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.12 B	ND	ND	ND	ND	ND	ND	ND	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.17 B	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.044	ND	0.018 J	ND	ND	ND	0.026 J	0.015 J	0.013 J	---
Benzo(k)fluoranthene	0.068	ND	ND	ND	ND	ND	ND	ND	ND	9
Chrysene	0.14	ND	0.039 J	0.034 J	ND	0.04	0.046	0.022 J	0.019 J	88.00001
Fluorene	ND	ND	ND	ND	ND	ND	ND	0.0067 J	0.0069 J	560
Indeno(1,2,3-cd)pyrene	0.043	ND	ND	ND	ND	ND	ND	ND	ND	0.9 / 0.9 / 1.6
Naphthalene, SVOC	ND	ND	ND	ND	ND	ND	ND	0.011 J	0.0068 J	1.8
Phenanthrene	0.11 B	ND	0.16 B	0.12 B	0.15 B	0.17 B	0.17 B	0.1	0.088	---
Pyrene	0.23 B	ND	ND	ND	ND	ND	0.045 B	ND	0.014 J	2300
<b>Total Metals (mg/kg)</b>										
Antimony, Total	0.85 J	1 J	0.8 J	0.8 J	0.67 J	0.7 J	0.52 J	0.32 J	0.43 J	5
Arsenic, Total	3.9	1.5	6.7	6.2	5.8	5.9	5.7	7.4	6.7	11.3 / 13.0
Barium, Total	32	25	33	33	34	28	40	41	44	1500
Beryllium, Total	0.4	0.33	0.9	0.94	0.95	0.65	0.96	0.75	0.77	22
Cadmium, Total	0.13 J	ND	ND	ND	ND	ND	ND	ND	ND	5.2
Calcium, Total	77000 B	93000 B	31000 B	32000 B	30000 B	60000 B	49000 B	57000	58000	---
Chromium, Total	9.4	9.8	21	22	21	15	21	17	17	21
Cobalt, Total	6.8	3.5	17	17	16	13	14	14	14	20
Copper, Total	13	7.6	29	29	28	27	22	29 B	26 B	2900
Iron, Total	11000	7100	21000	24000	21000	22000	19000	21000	21000	15000 / 15900
Lead, Total	24	3.7	16	16	16	24	13	14	13	107
Magnesium, Total	25000	44000	18000	18000	17000	25000	20000	23000	22000	325000
Manganese, Total	330	150	300	370	290	380	290	330	330	630 / 636
Mercury, Total	0.031	0.0073 J	0.027	0.027	0.022	0.02	0.022	0.021	0.022	0.89
Nickel, Total	16	8.1	43	43	43	34	37	35	36	100
Potassium, Total	1500	1400	3300	3100	3600	2400	3500	3400	3300	---
Selenium, Total	ND	ND	0.66 J	0.73 J	0.72 J	0.79 J	0.63 J	0.87	0.37 J	1.3
Silver, Total	1.9	1.7	2.6	2.7	2.7	2.1	2.6	2.6	2.6	4.4
Sodium, Total	150	120	140	140	150	140	210	210	220	---
Thallium, Total	0.35 J	ND	1	1.2	1	0.79	0.78	0.9	0.98	2.6
Vanadium, Total	14	13	24	25	25	19	26	21	21	550
Zinc, Total	46	14	50	52	47	42	45	53	56	5100
<b>TCLP Metals (mg/l)</b>										
Arsenic, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.49 J	0.47 J	0.55	0.53	0.55	0.53	0.6	0.36 J	0.55	2
Beryllium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	0.026	0.028	0.029	0.016 J	0.015 J	ND	0.013 J	1
Copper, TCLP	ND	ND	0.011 J	0.012 J	0.012 J	ND	0.01 J	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.3	1.5	2	2	2	1.7	1.9	0.089	1.8 J	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.014 J	ND	0.068	0.071	0.074	0.041	0.043	ND	0.033 J	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	ND	ND	ND	ND	0.02 J	5
<b>SPLP Metals (mg/l)</b>										
Arsenic, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.16 J	ND	ND	ND	ND	ND	ND	ND	0.094 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	0.005 J	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.053	ND	ND	ND	ND	ND	ND	ND	0.017 J	0.1
Cobalt, SPLP	0.016 J <sup>^</sup>	ND	ND	ND	ND	ND	ND	ND	ND	1
Copper, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	0.65
Iron, SPLP	37	0.24 J	ND	0.23 J	0.25 J	2.8	2.9 F1	1.2	9.1	5
Lead, SPLP	0.072	ND	ND	ND	ND	ND	ND	ND	ND	0.0075
Manganese, SPLP	0.24	0.012 J <sup>^</sup>	0.029	0.028	0.028	0.03	0.031	0.021 J	0.087	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.045	ND	ND	ND	ND	ND	ND	ND	0.013 J	0.1
Selenium, SPLP	ND	ND	0.05 J	0.05 J	0.05 J	0.05 J	0.05 J	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.16 J <sup>^</sup>	0.04 J <sup>^</sup>	ND	ND	ND	0.024 J <sup>^</sup>	ND	ND	0.025 J	5

**Notes:**

- - not applicable or value not available.
- <sup>A</sup> - 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.
- J - Estimated concentration.
- ND - Constituent not detected above the reporting limit.
- <sup>^</sup> - 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: 500-171848-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

Weston Solutions, Inc.  
300 Plaza Circle, Suite 202  
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers



Authorized for release by:  
10/28/2019 11:22:21 AM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(0-5)-101519**

**Lab Sample ID: 500-171848-14**

**Date Collected: 10/15/19 10:40**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 85.3**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00082	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
1,1-Dichloroethane	<0.0019		0.0019	0.00065	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
1,2-Dichloropropane	<0.0019		0.0019	0.00049	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00067	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Acetone	<0.019		0.019	0.0083	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Carbon disulfide	<0.0048		0.0048	0.00099	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Carbon tetrachloride	<0.0019		0.0019	0.00055	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Chlorobenzene	<0.0019		0.0019	0.00070	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Chloroform	<0.0019		0.0019	0.00066	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00053	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00057	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Dibromochloromethane	<0.0019		0.0019	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Ethylbenzene	<0.0019		0.0019	0.00091	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0021	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00056	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Tetrachloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Toluene	<0.0019		0.0019	0.00048	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00084	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00067	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Trichloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Vinyl chloride	<0.0019		0.0019	0.00084	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1
Xylenes, Total	<0.0038		0.0038	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/16/19 18:35	10/23/19 15:39	1
4-Bromofluorobenzene (Surr)	89		75 - 131	10/16/19 18:35	10/23/19 15:39	1
Dibromofluoromethane	99		75 - 126	10/16/19 18:35	10/23/19 15:39	1
Toluene-d8 (Surr)	92		75 - 124	10/16/19 18:35	10/23/19 15:39	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(0-5)-101519**

**Lab Sample ID: 500-171848-14**

**Date Collected: 10/15/19 10:40**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 85.3**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
2,4-Dinitrophenol	<0.77		0.77	0.68	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
2-Methylnaphthalene	<0.077		0.077	0.0071	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
4-Nitrophenol	<0.77		0.77	0.37	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
<b>Acenaphthene</b>	<b>0.0079</b>	<b>J B</b>	0.038	0.0069	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
<b>Acenaphthylene</b>	<b>0.0074</b>	<b>J B</b>	0.038	0.0051	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
<b>Anthracene</b>	<b>0.027</b>	<b>J B</b>	0.038	0.0064	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
<b>Benzo[a]anthracene</b>	<b>0.12</b>	<b>B</b>	0.038	0.0052	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
<b>Benzo[a]pyrene</b>	<b>0.12</b>	<b>B</b>	0.038	0.0074	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
<b>Benzo[b]fluoranthene</b>	<b>0.17</b>	<b>B</b>	0.038	0.0083	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
<b>Benzo[g,h,i]perylene</b>	<b>0.044</b>		0.038	0.012	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
<b>Benzo[k]fluoranthene</b>	<b>0.068</b>		0.038	0.011	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
<b>Chrysene</b>	<b>0.14</b>		0.038	0.010	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
<b>Fluoranthene</b>	<b>0.19</b>	<b>B</b>	0.038	0.0071	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
<b>Fluorene</b>	<b>0.0082</b>	<b>J B</b>	0.038	0.0054	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(0-5)-101519**

**Lab Sample ID: 500-171848-14**

Date Collected: 10/15/19 10:40

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 85.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.043</b>		0.038	0.0099	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Pentachlorophenol	<0.77		0.77	0.62	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
<b>Phenanthrene</b>	<b>0.11</b>	<b>B</b>	0.038	0.0054	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
<b>Pyrene</b>	<b>0.23</b>	<b>B</b>	0.038	0.0076	mg/Kg	☼	10/22/19 08:14	10/24/19 01:08	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2,4,6-Tribromophenol	51		31 - 143				10/22/19 08:14	10/24/19 01:08	1
2-Fluorobiphenyl	82		43 - 145				10/22/19 08:14	10/24/19 01:08	1
2-Fluorophenol	72		31 - 166				10/22/19 08:14	10/24/19 01:08	1
Nitrobenzene-d5	76		37 - 147				10/22/19 08:14	10/24/19 01:08	1
Phenol-d5	59		30 - 153				10/22/19 08:14	10/24/19 01:08	1
Terphenyl-d14	98		42 - 157				10/22/19 08:14	10/24/19 01:08	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/19 08:46	10/25/19 00:32	1
<b>Barium</b>	<b>0.49</b>	<b>J</b>	0.50	0.050	mg/L		10/23/19 08:46	10/25/19 00:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/19 08:46	10/25/19 00:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:46	10/25/19 00:32	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:32	1
Cobalt	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:32	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:32	1
Iron	<0.40		0.40	0.20	mg/L		10/23/19 08:46	10/25/19 00:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:46	10/25/19 00:32	1
<b>Manganese</b>	<b>1.3</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:32	1
<b>Nickel</b>	<b>0.014</b>	<b>J</b>	0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:32	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:46	10/25/19 00:32	1
Silver	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:32	1
<b>Zinc</b>	<b>0.035</b>	<b>J B</b>	0.50	0.020	mg/L		10/23/19 08:46	10/25/19 00:32	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		10/23/19 08:43	10/25/19 21:08	1
<b>Barium</b>	<b>0.16</b>	<b>J</b>	0.50	0.050	mg/L		10/23/19 08:43	10/25/19 21:08	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/23/19 08:43	10/25/19 01:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:43	10/25/19 01:38	1
<b>Chromium</b>	<b>0.053</b>		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:08	1
<b>Cobalt</b>	<b>0.016</b>	<b>J ^</b>	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:38	1
<b>Copper</b>	<b>0.050</b>		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:08	1
<b>Iron</b>	<b>37</b>		0.40	0.20	mg/L		10/23/19 08:43	10/25/19 21:08	1
<b>Lead</b>	<b>0.072</b>		0.0075	0.0075	mg/L		10/23/19 08:43	10/25/19 01:38	1
<b>Manganese</b>	<b>0.24</b>		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:08	1
<b>Nickel</b>	<b>0.045</b>		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:38	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:43	10/25/19 21:08	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(0-5)-101519**

**Lab Sample ID: 500-171848-14**

Date Collected: 10/15/19 10:40

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 85.3

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:38	1
Zinc	0.16	J ^	0.50	0.020	mg/L		10/23/19 08:43	10/25/19 01:38	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.85	J	1.1	0.22	mg/Kg	☼	10/23/19 09:29	10/25/19 17:15	1
Arsenic	3.9		0.56	0.19	mg/Kg	☼	10/23/19 09:29	10/24/19 23:27	1
Barium	32		0.56	0.064	mg/Kg	☼	10/23/19 09:29	10/24/19 23:27	1
Beryllium	0.40		0.23	0.053	mg/Kg	☼	10/23/19 09:29	10/24/19 23:27	1
Cadmium	0.13	B	0.11	0.020	mg/Kg	☼	10/23/19 09:29	10/24/19 23:27	1
Calcium	77000	B	110	19	mg/Kg	☼	10/23/19 09:29	10/25/19 17:19	10
Chromium	9.4		0.56	0.28	mg/Kg	☼	10/23/19 09:29	10/24/19 23:27	1
Cobalt	6.8		0.28	0.074	mg/Kg	☼	10/23/19 09:29	10/24/19 23:27	1
Copper	13		0.56	0.16	mg/Kg	☼	10/23/19 09:29	10/24/19 23:27	1
Iron	11000		11	5.9	mg/Kg	☼	10/23/19 09:29	10/25/19 17:15	1
Lead	24		0.28	0.13	mg/Kg	☼	10/23/19 09:29	10/24/19 23:27	1
Magnesium	25000		5.6	2.8	mg/Kg	☼	10/23/19 09:29	10/24/19 23:27	1
Manganese	330		0.56	0.082	mg/Kg	☼	10/23/19 09:29	10/25/19 17:15	1
Nickel	16		0.56	0.16	mg/Kg	☼	10/23/19 09:29	10/24/19 23:27	1
Potassium	1500		28	10	mg/Kg	☼	10/23/19 09:29	10/24/19 23:27	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	10/23/19 09:29	10/24/19 23:27	1
Silver	1.9		0.28	0.073	mg/Kg	☼	10/23/19 09:29	10/24/19 23:27	1
Sodium	150		56	8.3	mg/Kg	☼	10/23/19 09:29	10/24/19 23:27	1
Thallium	0.35	J	0.56	0.28	mg/Kg	☼	10/23/19 09:29	10/24/19 23:27	1
Vanadium	14		0.28	0.066	mg/Kg	☼	10/23/19 09:29	10/24/19 23:27	1
Zinc	46		1.1	0.49	mg/Kg	☼	10/23/19 09:29	10/25/19 17:15	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/23/19 09:55	10/24/19 10:23	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/24/19 10:05	10/25/19 09:23	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.018	0.0060	mg/Kg	☼	10/21/19 14:40	10/22/19 09:04	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/21/19 08:42	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(5-10)-101519**

**Lab Sample ID: 500-171848-15**

**Date Collected: 10/15/19 10:50**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 87.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Acetone	<0.015		0.015	0.0065	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Carbon disulfide	<0.0037		0.0037	0.00078	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0017	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☼	10/16/19 18:35	10/23/19 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/16/19 18:35	10/23/19 16:04	1
4-Bromofluorobenzene (Surr)	86		75 - 131	10/16/19 18:35	10/23/19 16:04	1
Dibromofluoromethane	100		75 - 126	10/16/19 18:35	10/23/19 16:04	1
Toluene-d8 (Surr)	92		75 - 124	10/16/19 18:35	10/23/19 16:04	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(5-10)-101519**

**Lab Sample ID: 500-171848-15**

**Date Collected: 10/15/19 10:50**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 87.6**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(5-10)-101519**

**Lab Sample ID: 500-171848-15**

**Date Collected: 10/15/19 10:50**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 87.6**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0094	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	10/22/19 08:14	10/23/19 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	61		31 - 143	10/22/19 08:14	10/23/19 19:28	1
2-Fluorobiphenyl	84		43 - 145	10/22/19 08:14	10/23/19 19:28	1
2-Fluorophenol	74		31 - 166	10/22/19 08:14	10/23/19 19:28	1
Nitrobenzene-d5	83		37 - 147	10/22/19 08:14	10/23/19 19:28	1
Phenol-d5	67		30 - 153	10/22/19 08:14	10/23/19 19:28	1
Terphenyl-d14	93		42 - 157	10/22/19 08:14	10/23/19 19:28	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/19 08:46	10/25/19 00:36	1
<b>Barium</b>	<b>0.47</b>	<b>J</b>	0.50	0.050	mg/L		10/23/19 08:46	10/25/19 00:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/19 08:46	10/25/19 00:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:46	10/25/19 00:36	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:36	1
Cobalt	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:36	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:36	1
Iron	<0.40		0.40	0.20	mg/L		10/23/19 08:46	10/25/19 00:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:46	10/25/19 18:05	1
<b>Manganese</b>	<b>1.5</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:36	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:36	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:46	10/25/19 00:36	1
Silver	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:36	1
<b>Zinc</b>	<b>0.022</b>	<b>J B</b>	0.50	0.020	mg/L		10/23/19 08:46	10/25/19 00:36	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		10/23/19 08:43	10/25/19 21:12	1
Barium	<0.50		0.50	0.050	mg/L		10/23/19 08:43	10/25/19 21:12	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/23/19 08:43	10/25/19 01:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:43	10/25/19 01:42	1
Chromium	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:42	1
Cobalt	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:42	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:12	1
<b>Iron</b>	<b>0.24</b>	<b>J</b>	0.40	0.20	mg/L		10/23/19 08:43	10/25/19 21:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:43	10/25/19 01:42	1
<b>Manganese</b>	<b>0.012</b>	<b>J ^</b>	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:42	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:42	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:43	10/25/19 21:12	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(5-10)-101519**

**Lab Sample ID: 500-171848-15**

Date Collected: 10/15/19 10:50

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 87.6

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:42	1
Zinc	0.040	J ^	0.50	0.020	mg/L		10/23/19 08:43	10/25/19 01:42	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.0	J	1.1	0.21	mg/Kg	☼	10/23/19 09:29	10/25/19 17:23	1
Arsenic	1.5		0.55	0.19	mg/Kg	☼	10/23/19 09:29	10/24/19 23:31	1
Barium	25		0.55	0.063	mg/Kg	☼	10/23/19 09:29	10/24/19 23:31	1
Beryllium	0.33		0.22	0.052	mg/Kg	☼	10/23/19 09:29	10/24/19 23:31	1
Cadmium	0.081	J B	0.11	0.020	mg/Kg	☼	10/23/19 09:29	10/24/19 23:31	1
Calcium	93000	B	110	19	mg/Kg	☼	10/23/19 09:29	10/25/19 17:27	10
Chromium	9.8		0.55	0.27	mg/Kg	☼	10/23/19 09:29	10/24/19 23:31	1
Cobalt	3.5		0.28	0.072	mg/Kg	☼	10/23/19 09:29	10/24/19 23:31	1
Copper	7.6		0.55	0.15	mg/Kg	☼	10/23/19 09:29	10/24/19 23:31	1
Iron	7100		11	5.7	mg/Kg	☼	10/23/19 09:29	10/25/19 17:23	1
Lead	3.7		0.28	0.13	mg/Kg	☼	10/23/19 09:29	10/24/19 23:31	1
Magnesium	44000		55	27	mg/Kg	☼	10/23/19 09:29	10/25/19 17:27	10
Manganese	150		0.55	0.080	mg/Kg	☼	10/23/19 09:29	10/25/19 17:23	1
Nickel	8.1		0.55	0.16	mg/Kg	☼	10/23/19 09:29	10/24/19 23:31	1
Potassium	1400		28	9.8	mg/Kg	☼	10/23/19 09:29	10/24/19 23:31	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	10/23/19 09:29	10/24/19 23:31	1
Silver	1.7		0.28	0.071	mg/Kg	☼	10/23/19 09:29	10/24/19 23:31	1
Sodium	120		55	8.2	mg/Kg	☼	10/23/19 09:29	10/24/19 23:31	1
Thallium	<0.55		0.55	0.28	mg/Kg	☼	10/23/19 09:29	10/24/19 23:31	1
Vanadium	13		0.28	0.065	mg/Kg	☼	10/23/19 09:29	10/24/19 23:31	1
Zinc	14		1.1	0.48	mg/Kg	☼	10/23/19 09:29	10/25/19 17:23	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/23/19 09:55	10/24/19 10:35	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/24/19 10:05	10/25/19 09:24	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0073	J	0.018	0.0060	mg/Kg	☼	10/21/19 14:40	10/22/19 09:06	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			10/21/19 08:42	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(10-15)-101519**

**Lab Sample ID: 500-171848-16**

Date Collected: 10/15/19 10:55

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 77.3

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00066	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
1,1,2,2-Tetrachloroethane	<0.0020	*	0.0020	0.00063	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00085	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
1,1-Dichloroethane	<0.0020		0.0020	0.00068	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
1,1-Dichloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00069	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
<b>Acetone</b>	<b>0.011</b>	<b>J</b>	0.020	0.0086	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Benzene	<0.0020		0.0020	0.00050	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Bromoform	<0.0020		0.0020	0.00058	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Bromomethane	<0.0049		0.0049	0.0019	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Carbon disulfide	<0.0049		0.0049	0.0010	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Carbon tetrachloride	<0.0020		0.0020	0.00057	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Chlorobenzene	<0.0020		0.0020	0.00073	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Chloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Chloroform	<0.0020		0.0020	0.00069	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Chloromethane	<0.0049		0.0049	0.0020	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Dibromochloromethane	<0.0020		0.0020	0.00065	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Ethylbenzene	<0.0020		0.0020	0.00094	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Methyl Ethyl Ketone	<0.0049		0.0049	0.0022	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
methyl isobutyl ketone	<0.0049		0.0049	0.0015	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00058	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Methylene Chloride	<0.0049		0.0049	0.0019	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Styrene	<0.0020		0.0020	0.00060	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Tetrachloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Toluene	<0.0020		0.0020	0.00050	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00087	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00069	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Trichloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Vinyl chloride	<0.0020		0.0020	0.00087	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1
Xylenes, Total	<0.0039		0.0039	0.00063	mg/Kg	☼	10/15/19 10:55	10/23/19 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 134	10/15/19 10:55	10/23/19 16:30	1
4-Bromofluorobenzene (Surr)	137	* X	75 - 131	10/15/19 10:55	10/23/19 16:30	1
Dibromofluoromethane	105		75 - 126	10/15/19 10:55	10/23/19 16:30	1
Toluene-d8 (Surr)	115		75 - 124	10/15/19 10:55	10/23/19 16:30	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(10-15)-101519**

**Lab Sample ID: 500-171848-16**

Date Collected: 10/15/19 10:55

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 77.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
2,4-Dinitrophenol	<0.83		0.83	0.73	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
<b>2-Methylnaphthalene</b>	<b>0.023</b>	<b>J B</b>	0.083	0.0076	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
<b>Acenaphthene</b>	<b>0.015</b>	<b>J B</b>	0.041	0.0074	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
<b>Chrysene</b>	<b>0.034</b>	<b>J</b>	0.041	0.011	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Hexachlorobenzene	<0.083		0.083	0.0096	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(10-15)-101519**

**Lab Sample ID: 500-171848-16**

Date Collected: 10/15/19 10:55

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 77.3

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.051	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
<b>Phenanthrene</b>	<b>0.12</b>	<b>B</b>	0.041	0.0058	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Pyrene	<0.041		0.041	0.0082	mg/Kg	☼	10/22/19 08:14	10/24/19 01:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	32		31 - 143				10/22/19 08:14	10/24/19 01:36	1
2-Fluorobiphenyl	79		43 - 145				10/22/19 08:14	10/24/19 01:36	1
2-Fluorophenol	68		31 - 166				10/22/19 08:14	10/24/19 01:36	1
Nitrobenzene-d5	78		37 - 147				10/22/19 08:14	10/24/19 01:36	1
Phenol-d5	63		30 - 153				10/22/19 08:14	10/24/19 01:36	1
Terphenyl-d14	84		42 - 157				10/22/19 08:14	10/24/19 01:36	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		10/23/19 08:46	10/25/19 00:41	1
<b>Barium</b>	<b>0.53</b>		0.50	0.050	mg/L		10/23/19 08:46	10/25/19 00:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/19 08:46	10/25/19 00:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:46	10/25/19 00:41	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:41	1
<b>Cobalt</b>	<b>0.028</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:41	1
<b>Copper</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:41	1
Iron	<0.40		0.40	0.20	mg/L		10/23/19 08:46	10/25/19 00:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:46	10/25/19 00:41	1
<b>Manganese</b>	<b>2.0</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:41	1
<b>Nickel</b>	<b>0.071</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:41	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:46	10/25/19 00:41	1
Silver	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:41	1
Zinc	<0.50		0.50	0.020	mg/L		10/23/19 08:46	10/25/19 00:41	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/19 08:43	10/25/19 21:16	1
Barium	<0.50		0.50	0.050	mg/L		10/23/19 08:43	10/25/19 21:16	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/23/19 08:43	10/25/19 01:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:43	10/25/19 01:46	1
Chromium	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:46	1
Cobalt	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:46	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:16	1
<b>Iron</b>	<b>0.23</b>	<b>J</b>	0.40	0.20	mg/L		10/23/19 08:43	10/25/19 21:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:43	10/25/19 01:46	1
<b>Manganese</b>	<b>0.028</b>		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:16	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:46	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:43	10/25/19 21:16	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(10-15)-101519**

**Lab Sample ID: 500-171848-16**

Date Collected: 10/15/19 10:55

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 77.3

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:46	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/23/19 08:43	10/25/19 01:46	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.80	J	1.3	0.25	mg/Kg	☼	10/23/19 09:29	10/25/19 17:31	1
Arsenic	6.2		0.64	0.22	mg/Kg	☼	10/23/19 09:29	10/24/19 23:35	1
Barium	33		0.64	0.073	mg/Kg	☼	10/23/19 09:29	10/24/19 23:35	1
Beryllium	0.94		0.26	0.060	mg/Kg	☼	10/23/19 09:29	10/24/19 23:35	1
Cadmium	0.072	J B	0.13	0.023	mg/Kg	☼	10/23/19 09:29	10/24/19 23:35	1
Calcium	32000	B	13	2.2	mg/Kg	☼	10/23/19 09:29	10/25/19 17:31	1
Chromium	22		0.64	0.32	mg/Kg	☼	10/23/19 09:29	10/24/19 23:35	1
Cobalt	17		0.32	0.084	mg/Kg	☼	10/23/19 09:29	10/24/19 23:35	1
Copper	29		0.64	0.18	mg/Kg	☼	10/23/19 09:29	10/24/19 23:35	1
Iron	24000		13	6.7	mg/Kg	☼	10/23/19 09:29	10/25/19 17:31	1
Lead	16		0.32	0.15	mg/Kg	☼	10/23/19 09:29	10/24/19 23:35	1
Magnesium	18000		6.4	3.2	mg/Kg	☼	10/23/19 09:29	10/24/19 23:35	1
Manganese	370		0.64	0.093	mg/Kg	☼	10/23/19 09:29	10/25/19 17:31	1
Nickel	43		0.64	0.19	mg/Kg	☼	10/23/19 09:29	10/24/19 23:35	1
Potassium	3100		32	11	mg/Kg	☼	10/23/19 09:29	10/24/19 23:35	1
Selenium	0.73	B	0.64	0.38	mg/Kg	☼	10/23/19 09:29	10/24/19 23:35	1
Silver	2.7		0.32	0.083	mg/Kg	☼	10/23/19 09:29	10/24/19 23:35	1
Sodium	140		64	9.5	mg/Kg	☼	10/23/19 09:29	10/24/19 23:35	1
Thallium	1.2		0.64	0.32	mg/Kg	☼	10/23/19 09:29	10/24/19 23:35	1
Vanadium	25		0.32	0.076	mg/Kg	☼	10/23/19 09:29	10/24/19 23:35	1
Zinc	52		1.3	0.56	mg/Kg	☼	10/23/19 09:29	10/25/19 17:31	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/23/19 09:55	10/24/19 10:36	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/24/19 10:05	10/25/19 09:26	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.020	0.0067	mg/Kg	☼	10/21/19 14:40	10/22/19 09:08	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			10/21/19 08:42	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(10-15)-101519D**

**Lab Sample ID: 500-171848-17**

**Date Collected: 10/15/19 10:55**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 77.0**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00065	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00062	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00083	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00068	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Acetone	<0.019		0.019	0.0084	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Bromomethane	<0.0048 *		0.0048	0.0018	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Carbon disulfide	<0.0048		0.0048	0.0010	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Chlorobenzene	<0.0019		0.0019	0.00071	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Chloroethane	<0.0048 *		0.0048	0.0014	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Chloroform	<0.0019		0.0019	0.00067	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Ethylbenzene	<0.0019		0.0019	0.00092	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0021	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00057	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Tetrachloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Toluene	<0.0019		0.0019	0.00049	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00085	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00068	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Vinyl chloride	<0.0019		0.0019	0.00085	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1
Xylenes, Total	<0.0039		0.0039	0.00062	mg/Kg	☼	10/16/19 18:35	10/24/19 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		70 - 134	10/16/19 18:35	10/24/19 11:54	1
4-Bromofluorobenzene (Surr)	104		75 - 131	10/16/19 18:35	10/24/19 11:54	1
Dibromofluoromethane	91		75 - 126	10/16/19 18:35	10/24/19 11:54	1
Toluene-d8 (Surr)	97		75 - 124	10/16/19 18:35	10/24/19 11:54	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(10-15)-101519D**

**Lab Sample ID: 500-171848-17**

**Date Collected: 10/15/19 10:55**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 77.0**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
2,4-Dinitrophenol	<0.83		0.83	0.73	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
2-Methylnaphthalene	<0.083		0.083	0.0076	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
<b>Benzo[g,h,i]perylene</b>	<b>0.018 J</b>		0.041	0.013	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
<b>Chrysene</b>	<b>0.039 J</b>		0.041	0.011	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Hexachlorobenzene	<0.083		0.083	0.0096	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(10-15)-101519D**

**Lab Sample ID: 500-171848-17**

**Date Collected: 10/15/19 10:55**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 77.0**

**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	<0.041		0.041	0.011	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.051	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
<b>Phenanthrene</b>	<b>0.16</b>	<b>B</b>	0.041	0.0058	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1
Pyrene	<0.041		0.041	0.0082	mg/Kg	☼	10/22/19 08:14	10/24/19 02:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	39		31 - 143	10/22/19 08:14	10/24/19 02:05	1
2-Fluorobiphenyl	88		43 - 145	10/22/19 08:14	10/24/19 02:05	1
2-Fluorophenol	78		31 - 166	10/22/19 08:14	10/24/19 02:05	1
Nitrobenzene-d5	87		37 - 147	10/22/19 08:14	10/24/19 02:05	1
Phenol-d5	70		30 - 153	10/22/19 08:14	10/24/19 02:05	1
Terphenyl-d14	91		42 - 157	10/22/19 08:14	10/24/19 02:05	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		10/23/19 08:46	10/25/19 00:45	1
<b>Barium</b>	<b>0.55</b>		0.50	0.050	mg/L		10/23/19 08:46	10/25/19 00:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/19 08:46	10/25/19 00:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:46	10/25/19 00:45	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:45	1
<b>Cobalt</b>	<b>0.026</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:45	1
<b>Copper</b>	<b>0.011</b>	<b>J</b>	0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:45	1
Iron	<0.40		0.40	0.20	mg/L		10/23/19 08:46	10/25/19 00:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:46	10/25/19 00:45	1
<b>Manganese</b>	<b>2.0</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:45	1
<b>Nickel</b>	<b>0.068</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:45	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:46	10/25/19 00:45	1
Silver	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:45	1
Zinc	<0.50		0.50	0.020	mg/L		10/23/19 08:46	10/25/19 00:45	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/19 08:43	10/25/19 21:20	1
Barium	<0.50		0.50	0.050	mg/L		10/23/19 08:43	10/25/19 21:20	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/23/19 08:43	10/25/19 01:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:43	10/25/19 01:50	1
Chromium	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:50	1
Cobalt	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:50	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:20	1
Iron	<0.40		0.40	0.20	mg/L		10/23/19 08:43	10/25/19 21:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:43	10/25/19 01:50	1
<b>Manganese</b>	<b>0.029</b>		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:20	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:50	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:43	10/25/19 21:20	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(10-15)-101519D**

**Lab Sample ID: 500-171848-17**

Date Collected: 10/15/19 10:55

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 77.0

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:50	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/23/19 08:43	10/25/19 01:50	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.80	J	1.2	0.23	mg/Kg	☼	10/23/19 09:29	10/25/19 17:39	1
Arsenic	6.7		0.60	0.20	mg/Kg	☼	10/23/19 09:29	10/24/19 23:39	1
Barium	33		0.60	0.068	mg/Kg	☼	10/23/19 09:29	10/24/19 23:39	1
Beryllium	0.90		0.24	0.056	mg/Kg	☼	10/23/19 09:29	10/24/19 23:39	1
Cadmium	0.075	J B	0.12	0.022	mg/Kg	☼	10/23/19 09:29	10/24/19 23:39	1
Calcium	31000	B	12	2.0	mg/Kg	☼	10/23/19 09:29	10/25/19 17:39	1
Chromium	21		0.60	0.30	mg/Kg	☼	10/23/19 09:29	10/24/19 23:39	1
Cobalt	17		0.30	0.078	mg/Kg	☼	10/23/19 09:29	10/24/19 23:39	1
Copper	29		0.60	0.17	mg/Kg	☼	10/23/19 09:29	10/24/19 23:39	1
Iron	21000		12	6.2	mg/Kg	☼	10/23/19 09:29	10/25/19 17:39	1
Lead	16		0.30	0.14	mg/Kg	☼	10/23/19 09:29	10/24/19 23:39	1
Magnesium	18000		6.0	3.0	mg/Kg	☼	10/23/19 09:29	10/24/19 23:39	1
Manganese	300		0.60	0.087	mg/Kg	☼	10/23/19 09:29	10/25/19 17:39	1
Nickel	43		0.60	0.17	mg/Kg	☼	10/23/19 09:29	10/24/19 23:39	1
Potassium	3300		30	11	mg/Kg	☼	10/23/19 09:29	10/24/19 23:39	1
Selenium	0.66	B	0.60	0.35	mg/Kg	☼	10/23/19 09:29	10/24/19 23:39	1
Silver	2.6		0.30	0.077	mg/Kg	☼	10/23/19 09:29	10/24/19 23:39	1
Sodium	140		60	8.8	mg/Kg	☼	10/23/19 09:29	10/24/19 23:39	1
Thallium	1.0		0.60	0.30	mg/Kg	☼	10/23/19 09:29	10/24/19 23:39	1
Vanadium	24		0.30	0.070	mg/Kg	☼	10/23/19 09:29	10/24/19 23:39	1
Zinc	50		1.2	0.52	mg/Kg	☼	10/23/19 09:29	10/25/19 17:39	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/23/19 09:55	10/24/19 10:38	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/24/19 10:05	10/25/19 09:28	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.022	0.0072	mg/Kg	☼	10/21/19 14:40	10/22/19 09:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/21/19 08:42	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(15-20)-101519**

**Lab Sample ID: 500-171848-18**

Date Collected: 10/15/19 11:00

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 76.0

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0020		0.0020	0.00068	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00065	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00087	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
1,1-Dichloroethane	<0.0020		0.0020	0.00069	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
1,1-Dichloroethene	<0.0020		0.0020	0.00070	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
1,2-Dichloroethane	<0.0051		0.0051	0.0016	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00071	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
2-Hexanone	<0.0051		0.0051	0.0016	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Acetone	<0.020		0.020	0.0088	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Benzene	<0.0020		0.0020	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Bromodichloromethane	<0.0020		0.0020	0.00041	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Bromoform	<0.0020		0.0020	0.00059	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Bromomethane	<0.0051		0.0051	0.0019	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Carbon disulfide	<0.0051		0.0051	0.0011	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Carbon tetrachloride	<0.0020		0.0020	0.00059	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Chlorobenzene	<0.0020		0.0020	0.00075	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Chloroethane	<0.0051		0.0051	0.0015	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Chloroform	<0.0020		0.0020	0.00070	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Chloromethane	<0.0051		0.0051	0.0020	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00056	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Dibromochloromethane	<0.0020		0.0020	0.00066	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Ethylbenzene	<0.0020		0.0020	0.00097	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Methyl Ethyl Ketone	<0.0051		0.0051	0.0022	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
methyl isobutyl ketone	<0.0051		0.0051	0.0015	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00059	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Methylene Chloride	<0.0051		0.0051	0.0020	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Styrene	<0.0020		0.0020	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Tetrachloroethene	<0.0020		0.0020	0.00069	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Toluene	<0.0020		0.0020	0.00051	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00090	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00071	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Trichloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Vinyl chloride	<0.0020		0.0020	0.00089	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1
Xylenes, Total	<0.0040		0.0040	0.00065	mg/Kg	☼	10/16/19 18:35	10/23/19 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	10/16/19 18:35	10/23/19 17:22	1
4-Bromofluorobenzene (Surr)	93		75 - 131	10/16/19 18:35	10/23/19 17:22	1
Dibromofluoromethane	103		75 - 126	10/16/19 18:35	10/23/19 17:22	1
Toluene-d8 (Surr)	98		75 - 124	10/16/19 18:35	10/23/19 17:22	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(15-20)-101519**

**Lab Sample ID: 500-171848-18**

Date Collected: 10/15/19 11:00

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 76.0

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.42		0.42	0.095	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
2,4,6-Trichlorophenol	<0.42		0.42	0.14	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
2,4-Dichlorophenol	<0.42		0.42	0.099	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
2,4-Dinitrophenol	<0.84		0.84	0.74	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
<b>2-Methylnaphthalene</b>	<b>0.040</b>	<b>J B</b>	0.084	0.0077	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
2-Nitrophenol	<0.42		0.42	0.099	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
3 & 4 Methylphenol	<0.21		0.21	0.070	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.059	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.34	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
<b>Acenaphthene</b>	<b>0.018</b>	<b>J B</b>	0.042	0.0075	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Acenaphthylene	<0.042		0.042	0.0055	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Anthracene	<0.042		0.042	0.0070	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Benzo[a]anthracene	<0.042		0.042	0.0056	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Benzo[a]pyrene	<0.042		0.042	0.0081	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Benzo[b]fluoranthene	<0.042		0.042	0.0090	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Benzo[g,h,i]perylene	<0.042		0.042	0.013	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Benzo[k]fluoranthene	<0.042		0.042	0.012	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Butyl benzyl phthalate	<0.21		0.21	0.080	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Chrysene	<0.042		0.042	0.011	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0081	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Fluoranthene	<0.042		0.042	0.0078	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
<b>Fluorene</b>	<b>0.0096</b>	<b>J B</b>	0.042	0.0059	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Hexachlorobenzene	<0.084		0.084	0.0097	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Hexachloroethane	<0.21		0.21	0.064	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(15-20)-101519**

**Lab Sample ID: 500-171848-18**

Date Collected: 10/15/19 11:00

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 76.0

**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	<0.042		0.042	0.011	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Naphthalene	<0.042		0.042	0.0064	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Nitrobenzene	<0.042		0.042	0.010	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
<b>Phenanthrene</b>	<b>0.15</b>	<b>B</b>	0.042	0.0058	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Phenol	<0.21		0.21	0.093	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
<b>Pyrene</b>	<b>0.035</b>	<b>J B</b>	0.042	0.0083	mg/Kg	☼	10/22/19 08:14	10/24/19 02:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	37		31 - 143				10/22/19 08:14	10/24/19 02:34	1
2-Fluorobiphenyl	82		43 - 145				10/22/19 08:14	10/24/19 02:34	1
2-Fluorophenol	74		31 - 166				10/22/19 08:14	10/24/19 02:34	1
Nitrobenzene-d5	77		37 - 147				10/22/19 08:14	10/24/19 02:34	1
Phenol-d5	64		30 - 153				10/22/19 08:14	10/24/19 02:34	1
Terphenyl-d14	89		42 - 157				10/22/19 08:14	10/24/19 02:34	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/19 08:46	10/25/19 00:49	1
<b>Barium</b>	<b>0.55</b>		0.50	0.050	mg/L		10/23/19 08:46	10/25/19 00:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/19 08:46	10/25/19 00:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:46	10/25/19 00:49	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:49	1
<b>Cobalt</b>	<b>0.029</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:49	1
<b>Copper</b>	<b>0.012</b>	<b>J</b>	0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:49	1
Iron	<0.40		0.40	0.20	mg/L		10/23/19 08:46	10/25/19 00:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:46	10/25/19 00:49	1
<b>Manganese</b>	<b>2.0</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:49	1
<b>Nickel</b>	<b>0.074</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:49	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:46	10/25/19 00:49	1
Silver	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:49	1
Zinc	<0.50		0.50	0.020	mg/L		10/23/19 08:46	10/25/19 00:49	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/19 08:43	10/25/19 21:24	1
Barium	<0.50		0.50	0.050	mg/L		10/23/19 08:43	10/25/19 21:24	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/23/19 08:43	10/25/19 01:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:43	10/25/19 01:55	1
Chromium	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:55	1
Cobalt	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:55	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:24	1
<b>Iron</b>	<b>0.25</b>	<b>J</b>	0.40	0.20	mg/L		10/23/19 08:43	10/25/19 21:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:43	10/25/19 01:55	1
<b>Manganese</b>	<b>0.028</b>		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:24	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:55	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:43	10/25/19 21:24	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(15-20)-101519**

**Lab Sample ID: 500-171848-18**

Date Collected: 10/15/19 11:00

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 76.0

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:55	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/23/19 08:43	10/25/19 01:55	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.67	J	1.2	0.24	mg/Kg	☼	10/23/19 09:29	10/25/19 17:55	1
Arsenic	5.8		0.62	0.21	mg/Kg	☼	10/23/19 09:29	10/24/19 23:43	1
Barium	34		0.62	0.070	mg/Kg	☼	10/23/19 09:29	10/24/19 23:43	1
Beryllium	0.95		0.25	0.058	mg/Kg	☼	10/23/19 09:29	10/24/19 23:43	1
Cadmium	0.050	J B	0.12	0.022	mg/Kg	☼	10/23/19 09:29	10/24/19 23:43	1
Calcium	30000	B	12	2.1	mg/Kg	☼	10/23/19 09:29	10/25/19 17:55	1
Chromium	21		0.62	0.31	mg/Kg	☼	10/23/19 09:29	10/24/19 23:43	1
Cobalt	16		0.31	0.081	mg/Kg	☼	10/23/19 09:29	10/24/19 23:43	1
Copper	28		0.62	0.17	mg/Kg	☼	10/23/19 09:29	10/24/19 23:43	1
Iron	21000		12	6.4	mg/Kg	☼	10/23/19 09:29	10/25/19 17:55	1
Lead	16		0.31	0.14	mg/Kg	☼	10/23/19 09:29	10/24/19 23:43	1
Magnesium	17000		6.2	3.1	mg/Kg	☼	10/23/19 09:29	10/24/19 23:43	1
Manganese	290		0.62	0.090	mg/Kg	☼	10/23/19 09:29	10/25/19 17:55	1
Nickel	43		0.62	0.18	mg/Kg	☼	10/23/19 09:29	10/24/19 23:43	1
Potassium	3600		31	11	mg/Kg	☼	10/23/19 09:29	10/24/19 23:43	1
Selenium	0.72	B	0.62	0.36	mg/Kg	☼	10/23/19 09:29	10/24/19 23:43	1
Silver	2.7		0.31	0.080	mg/Kg	☼	10/23/19 09:29	10/24/19 23:43	1
Sodium	150		62	9.1	mg/Kg	☼	10/23/19 09:29	10/24/19 23:43	1
Thallium	1.0		0.62	0.31	mg/Kg	☼	10/23/19 09:29	10/24/19 23:43	1
Vanadium	25		0.31	0.073	mg/Kg	☼	10/23/19 09:29	10/24/19 23:43	1
Zinc	47		1.2	0.54	mg/Kg	☼	10/23/19 09:29	10/25/19 17:55	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/23/19 09:55	10/24/19 10:40	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/24/19 10:05	10/25/19 09:29	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.022	0.0072	mg/Kg	☼	10/21/19 14:40	10/22/19 09:13	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			10/21/19 08:42	1

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(20-26)-101519**

**Lab Sample ID: 500-171848-19**

**Date Collected: 10/15/19 11:05**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 82.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Acetone	<0.017		0.017	0.0074	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Chloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/16/19 18:35	10/23/19 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	10/16/19 18:35	10/23/19 17:48	1
4-Bromofluorobenzene (Surr)	95		75 - 131	10/16/19 18:35	10/23/19 17:48	1
Dibromofluoromethane	100		75 - 126	10/16/19 18:35	10/23/19 17:48	1
Toluene-d8 (Surr)	97		75 - 124	10/16/19 18:35	10/23/19 17:48	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(20-26)-101519**

**Lab Sample ID: 500-171848-19**

Date Collected: 10/15/19 11:05

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 82.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
<b>2-Methylnaphthalene</b>	<b>0.054</b>	<b>J B</b>	0.078	0.0071	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
<b>Acenaphthene</b>	<b>0.018</b>	<b>J B</b>	0.039	0.0070	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
<b>Chrysene</b>	<b>0.040</b>		0.039	0.011	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Dibenzofuran	<0.20		0.20	0.045	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
<b>Fluorene</b>	<b>0.0058</b>	<b>J B</b>	0.039	0.0055	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(20-26)-101519**

**Lab Sample ID: 500-171848-19**

Date Collected: 10/15/19 11:05

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 82.1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
<b>Phenanthrene</b>	<b>0.17</b>	<b>B</b>	0.039	0.0054	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
<b>Pyrene</b>	<b>0.035</b>	<b>J B</b>	0.039	0.0077	mg/Kg	☼	10/22/19 08:14	10/24/19 03:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	48		31 - 143				10/22/19 08:14	10/24/19 03:02	1
2-Fluorobiphenyl	93		43 - 145				10/22/19 08:14	10/24/19 03:02	1
2-Fluorophenol	85		31 - 166				10/22/19 08:14	10/24/19 03:02	1
Nitrobenzene-d5	81		37 - 147				10/22/19 08:14	10/24/19 03:02	1
Phenol-d5	72		30 - 153				10/22/19 08:14	10/24/19 03:02	1
Terphenyl-d14	104		42 - 157				10/22/19 08:14	10/24/19 03:02	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/19 08:46	10/25/19 00:53	1
<b>Barium</b>	<b>0.53</b>		0.50	0.050	mg/L		10/23/19 08:46	10/25/19 00:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/19 08:46	10/25/19 00:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:46	10/25/19 00:53	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:53	1
<b>Cobalt</b>	<b>0.016</b>	<b>J</b>	0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:53	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:53	1
Iron	<0.40		0.40	0.20	mg/L		10/23/19 08:46	10/25/19 00:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:46	10/25/19 00:53	1
<b>Manganese</b>	<b>1.7</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:53	1
<b>Nickel</b>	<b>0.041</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:53	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:46	10/25/19 00:53	1
Silver	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 00:53	1
<b>Zinc</b>	<b>0.030</b>	<b>J B</b>	0.50	0.020	mg/L		10/23/19 08:46	10/25/19 00:53	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		10/23/19 08:43	10/25/19 21:28	1
Barium	<0.50		0.50	0.050	mg/L		10/23/19 08:43	10/25/19 21:28	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/23/19 08:43	10/25/19 01:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:43	10/25/19 01:59	1
Chromium	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:59	1
Cobalt	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:59	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:28	1
<b>Iron</b>	<b>2.8</b>		0.40	0.20	mg/L		10/23/19 08:43	10/25/19 21:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:43	10/25/19 01:59	1
<b>Manganese</b>	<b>0.030</b>		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:28	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 01:59	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:43	10/25/19 21:28	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(20-26)-101519**

**Lab Sample ID: 500-171848-19**

Date Collected: 10/15/19 11:05

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 82.1

**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		10/23/19 08:43	10/25/19 01:59	1
Zinc	0.024	J ^	0.50	0.020	mg/L		10/23/19 08:43	10/25/19 01:59	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.70	J	1.1	0.22	mg/Kg	☼	10/23/19 09:29	10/25/19 18:00	1
Arsenic	5.9		0.56	0.19	mg/Kg	☼	10/23/19 09:29	10/24/19 23:47	1
Barium	28		0.56	0.063	mg/Kg	☼	10/23/19 09:29	10/24/19 23:47	1
Beryllium	0.65		0.22	0.052	mg/Kg	☼	10/23/19 09:29	10/24/19 23:47	1
Cadmium	0.070	J B	0.11	0.020	mg/Kg	☼	10/23/19 09:29	10/24/19 23:47	1
Calcium	60000	B	110	19	mg/Kg	☼	10/23/19 09:29	10/25/19 18:04	10
Chromium	15		0.56	0.28	mg/Kg	☼	10/23/19 09:29	10/24/19 23:47	1
Cobalt	13		0.28	0.073	mg/Kg	☼	10/23/19 09:29	10/24/19 23:47	1
Copper	27		0.56	0.16	mg/Kg	☼	10/23/19 09:29	10/24/19 23:47	1
Iron	22000		11	5.8	mg/Kg	☼	10/23/19 09:29	10/25/19 18:00	1
Lead	24		0.28	0.13	mg/Kg	☼	10/23/19 09:29	10/24/19 23:47	1
Magnesium	25000		5.6	2.8	mg/Kg	☼	10/23/19 09:29	10/24/19 23:47	1
Manganese	380		0.56	0.081	mg/Kg	☼	10/23/19 09:29	10/25/19 18:00	1
Nickel	34		0.56	0.16	mg/Kg	☼	10/23/19 09:29	10/24/19 23:47	1
Potassium	2400		28	9.9	mg/Kg	☼	10/23/19 09:29	10/24/19 23:47	1
Selenium	0.79	B	0.56	0.33	mg/Kg	☼	10/23/19 09:29	10/24/19 23:47	1
Silver	2.1		0.28	0.072	mg/Kg	☼	10/23/19 09:29	10/24/19 23:47	1
Sodium	140		56	8.2	mg/Kg	☼	10/23/19 09:29	10/24/19 23:47	1
Thallium	0.79		0.56	0.28	mg/Kg	☼	10/23/19 09:29	10/24/19 23:47	1
Vanadium	19		0.28	0.066	mg/Kg	☼	10/23/19 09:29	10/24/19 23:47	1
Zinc	42		1.1	0.49	mg/Kg	☼	10/23/19 09:29	10/25/19 18:00	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/23/19 09:55	10/24/19 10:41	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/24/19 10:05	10/25/19 09:31	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.020	0.0067	mg/Kg	☼	10/21/19 14:40	10/22/19 09:15	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			10/21/19 08:42	1



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(26-34)-101519**

**Lab Sample ID: 500-171848-20**

**Date Collected: 10/15/19 11:10**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 77.4**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
1,1,2,2-Tetrachloroethane	<0.0018	*	0.0018	0.00057	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
<b>Acetone</b>	<b>0.014</b>	<b>J</b>	0.018	0.0078	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	10/15/19 11:10	10/23/19 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		70 - 134	10/15/19 11:10	10/23/19 18:14	1
4-Bromofluorobenzene (Surr)	136	* X	75 - 131	10/15/19 11:10	10/23/19 18:14	1
Dibromofluoromethane	106		75 - 126	10/15/19 11:10	10/23/19 18:14	1
Toluene-d8 (Surr)	109		75 - 124	10/15/19 11:10	10/23/19 18:14	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.045	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(26-34)-101519**

**Lab Sample ID: 500-171848-20**

Date Collected: 10/15/19 11:10

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 77.4

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
2,4-Dinitrophenol	<0.83		0.83	0.73	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
<b>2-Methylnaphthalene</b>	<b>0.062</b>	<b>J B</b>	0.083	0.0076	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
<b>Benzo[g,h,i]perylene</b>	<b>0.026</b>	<b>J</b>	0.041	0.013	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
<b>Chrysene</b>	<b>0.046</b>		0.041	0.011	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
<b>Fluorene</b>	<b>0.013</b>	<b>J B</b>	0.041	0.0058	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Hexachlorobenzene	<0.083		0.083	0.0096	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(26-34)-101519**

**Lab Sample ID: 500-171848-20**

Date Collected: 10/15/19 11:10

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 77.4

**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	<0.041		0.041	0.011	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.051	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
<b>Phenanthrene</b>	<b>0.17</b>	<b>B</b>	0.041	0.0058	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
<b>Pyrene</b>	<b>0.045</b>	<b>B</b>	0.041	0.0082	mg/Kg	☼	10/22/19 08:14	10/24/19 03:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	57		31 - 143				10/22/19 08:14	10/24/19 03:30	1
2-Fluorobiphenyl	96		43 - 145				10/22/19 08:14	10/24/19 03:30	1
2-Fluorophenol	78		31 - 166				10/22/19 08:14	10/24/19 03:30	1
Nitrobenzene-d5	86		37 - 147				10/22/19 08:14	10/24/19 03:30	1
Phenol-d5	74		30 - 153				10/22/19 08:14	10/24/19 03:30	1
Terphenyl-d14	109		42 - 157				10/22/19 08:14	10/24/19 03:30	1

**Method: 6010B - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/19 08:46	10/25/19 01:06	1
<b>Barium</b>	<b>0.60</b>		0.50	0.050	mg/L		10/23/19 08:46	10/25/19 01:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/23/19 08:46	10/25/19 01:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:46	10/25/19 01:06	1
Chromium	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 01:06	1
<b>Cobalt</b>	<b>0.015</b>	<b>J</b>	0.025	0.010	mg/L		10/23/19 08:46	10/25/19 01:06	1
<b>Copper</b>	<b>0.010</b>	<b>J</b>	0.025	0.010	mg/L		10/23/19 08:46	10/25/19 01:06	1
Iron	<0.40		0.40	0.20	mg/L		10/23/19 08:46	10/25/19 01:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:46	10/25/19 01:06	1
<b>Manganese</b>	<b>1.9</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 01:06	1
<b>Nickel</b>	<b>0.043</b>		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 01:06	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:46	10/25/19 01:06	1
Silver	<0.025		0.025	0.010	mg/L		10/23/19 08:46	10/25/19 01:06	1
Zinc	<0.50		0.50	0.020	mg/L		10/23/19 08:46	10/25/19 01:06	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/23/19 08:43	10/25/19 21:40	1
Barium	<0.50		0.50	0.050	mg/L		10/23/19 08:43	10/25/19 21:40	1
Beryllium	<0.0040	^	0.0040	0.0040	mg/L		10/23/19 08:43	10/25/19 02:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/23/19 08:43	10/25/19 02:03	1
Chromium	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 02:03	1
Cobalt	<0.025	^	0.025	0.010	mg/L		10/23/19 08:43	10/25/19 02:03	1
Copper	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:40	1
<b>Iron</b>	<b>2.9</b>	<b>F1</b>	0.40	0.20	mg/L		10/23/19 08:43	10/25/19 21:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/23/19 08:43	10/25/19 02:03	1
<b>Manganese</b>	<b>0.031</b>		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 21:40	1
Nickel	<0.025		0.025	0.010	mg/L		10/23/19 08:43	10/25/19 02:03	1
Selenium	<0.050		0.050	0.020	mg/L		10/23/19 08:43	10/25/19 21:40	1

Eurolins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

**Client Sample ID: VL-1(26-34)-101519**

**Lab Sample ID: 500-171848-20**

Date Collected: 10/15/19 11:10

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 77.4

**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		10/23/19 08:43	10/25/19 02:03	1
Zinc	<0.50	^	0.50	0.020	mg/L		10/23/19 08:43	10/25/19 02:03	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	☼	10/23/19 09:29	10/25/19 18:08	1
Arsenic	5.7		0.60	0.20	mg/Kg	☼	10/23/19 09:29	10/25/19 18:08	1
Barium	40		0.60	0.068	mg/Kg	☼	10/23/19 09:29	10/24/19 23:59	1
Beryllium	0.96		0.24	0.056	mg/Kg	☼	10/23/19 09:29	10/24/19 23:59	1
Cadmium	0.057	J B	0.12	0.021	mg/Kg	☼	10/23/19 09:29	10/24/19 23:59	1
Calcium	49000	B	120	20	mg/Kg	☼	10/23/19 09:29	10/25/19 18:12	10
Chromium	21		0.60	0.30	mg/Kg	☼	10/23/19 09:29	10/24/19 23:59	1
Cobalt	14		0.30	0.078	mg/Kg	☼	10/23/19 09:29	10/24/19 23:59	1
Copper	22		0.60	0.17	mg/Kg	☼	10/23/19 09:29	10/24/19 23:59	1
Iron	19000		12	6.2	mg/Kg	☼	10/23/19 09:29	10/25/19 18:08	1
Lead	13		0.30	0.14	mg/Kg	☼	10/23/19 09:29	10/24/19 23:59	1
Magnesium	20000		6.0	3.0	mg/Kg	☼	10/23/19 09:29	10/24/19 23:59	1
Manganese	290		0.60	0.086	mg/Kg	☼	10/23/19 09:29	10/25/19 18:08	1
Nickel	37		0.60	0.17	mg/Kg	☼	10/23/19 09:29	10/24/19 23:59	1
Potassium	3500		30	11	mg/Kg	☼	10/23/19 09:29	10/24/19 23:59	1
Selenium	0.63	B	0.60	0.35	mg/Kg	☼	10/23/19 09:29	10/24/19 23:59	1
Silver	2.6		0.30	0.077	mg/Kg	☼	10/23/19 09:29	10/24/19 23:59	1
Sodium	210		60	8.8	mg/Kg	☼	10/23/19 09:29	10/25/19 18:08	1
Thallium	0.78		0.60	0.30	mg/Kg	☼	10/23/19 09:29	10/24/19 23:59	1
Vanadium	26		0.30	0.070	mg/Kg	☼	10/23/19 09:29	10/24/19 23:59	1
Zinc	45		1.2	0.52	mg/Kg	☼	10/23/19 09:29	10/25/19 18:08	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/23/19 09:55	10/24/19 10:43	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/24/19 10:05	10/25/19 09:32	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.021	0.0071	mg/Kg	☼	10/21/19 14:40	10/22/19 09:21	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			10/21/19 08:42	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171848-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD is outside acceptance limits.
*	ISTD response or retention time outside acceptable limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### 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.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## 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 - Circle Interchange-WO 003

Job ID: 500-171848-1

## 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 60  
Phone: 708.534.5200 Fax: 708.534



500-171848 COC

Report To (optional) \_\_\_\_\_ Bill To (optional) \_\_\_\_\_  
 Contact: Andri's Slessers Contact: \_\_\_\_\_  
 Company: Weston Solutions Inc. Company: \_\_\_\_\_  
 Address: 300 Plaza Circle Address: \_\_\_\_\_  
 Address: Ste. 202 Mundelein, IL Address: \_\_\_\_\_  
 Phone: 224-864-7201 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_ Fax: \_\_\_\_\_  
 E-Mail: Andri's.Slessers@westonSolutions.com

## Chain of Custody Record

Lab Job #: 500-171848  
 Chain of Custody Number: \_\_\_\_\_  
 Page 1 of 3  
 Temperature °C of Cooler: 5.44, 0.44

Client		Client Project #		Preservative							Preservative Key		
<u>Weston Solutions</u>		<u>56.016.003</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 #		Parameter									
<u>DOT 90/94</u>													
Project Location/State		Lab Project #		Parameter									
<u>Chicago</u>													
Sampler		Lab PM		Parameter									
<u>M. DeWio</u>													
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCS	SUCRS	TOBACU	TCIP/SPLP	metals	PH	Comments
			Date	Time									
<u>1</u>		<u>CM-1(5-5)-101519</u>	<u>10/15/19</u>	<u>0800</u>	<u>6</u>	<u>S</u>	<u>x</u>	<u>x</u>	<u>x</u>	<u>x</u>	<u>x</u>		
<u>2</u>		<u>CM-1(5-10)-101519</u>		<u>0810</u>									
<u>3</u>		<u>CM-1(10-15)-101519</u>		<u>0815</u>									
<u>4</u>		<u>CM-1(15-20)-101519</u>		<u>0820</u>									
<u>5</u>		<u>CM-1(20-25)-101519</u>		<u>0840</u>									
<u>6</u>		<u>CM-1(XXX)-101519</u>		<u>0856</u>	<u>8</u>	<u>W</u>							
<u>7</u>		<u>Row-9(5-10)-101519</u>		<u>0920</u>	<u>6</u>	<u>S</u>							
<u>8</u>		<u>Row-9(10-15)-101519</u>		<u>0930</u>									
<u>9</u>		<u>Row-9(10-15)-101519D</u>		<u>0930</u>									
<u>10</u>		<u>Row-9(15-20)-101519</u>		<u>0944</u>									

Turnaround Time Required (Business Days)  
 \_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 5 Days  7 Days \_\_\_ 10 Days \_\_\_ 15 Days \_\_\_ Other  
 Requested Due Date: \_\_\_\_\_

Sample Disposal  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>10/16/19</u> Time: <u>1000</u>	Received By: <u>[Signature]</u> Company: <u>JA</u> Date: <u>10/16/19</u> Time: <u>1000</u>	Lab Courier: <u>JA</u>
Relinquished By: <u>[Signature]</u> Company: <u>JA</u> Date: <u>10/16/19</u> Time: <u>1300</u>	Received By: <u>[Signature]</u> Company: <u>JA</u> Date: <u>10/16/19</u> Time: <u>1300</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

Matrix Key  
 WW - Wastewater SE - Sediment  
 W - Water SO - Soil  
 S - Soil L - Leachate  
 SL - Sludge WI - Wipe  
 MS - Miscellaneous DW - Drinking Water  
 OL - Oil O - Other  
 A - Air

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
 Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)  
 Contact: Audrey Slessers  
 Company: Weston Solutions  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: 224-864-7201  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

Bill To (optional)  
 Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 PO#/Reference#: \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171848  
 Chain of Custody Number: \_\_\_\_\_  
 Page 2 of 3  
 Temperature °C of Cooler: 5.4, 4.0, 4.4

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
Weston Solutions		02056.016.003								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 #		# of Containers	Matrix	VOLs	SUOCs	Total Metals	TCLP/SPLP Metals	PH	Comments
Project Location/State		Lab PM									
Lab ID	MS/MSD	Sample ID	Date	Time							
11		Row-9(26-34)-101519	10/15/19	0950	6	S	X	X	X	X	
12		Row-9(31-42)-101519		1000							
13		Row-9(42-50)-101519		1010							
14		VL-1(0-5)-101519		1040							
15		VL-1(5-10)-101519		1050							
16		VL-1(10-15)-101519		1055							
17		VL-1(10-15)-101519D		1055							
18		VL-1(15-20)-101519		1100							
19		VL-1(20-26)-101519		1105							
20		VL-1(26-34)-101519		1110							

21 Trip Blank

Turnaround Time Required (Business Days)  
 \_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 5 Days  7 Days \_\_\_ 10 Days \_\_\_ 15 Days \_\_\_ Other  
 Requested Due Date \_\_\_\_\_  
 Sample Disposal  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Added by TA

Relinquished By <u>[Signature]</u>	Company Weston	Date 10/16/19	Time 1000	Received By <u>[Signature]</u>	Company TA	Date 10/16/19	Time 1000
Relinquished By <u>[Signature]</u>	Company TA	Date 10/16/19	Time 1300	Received By <u>[Signature]</u>	Company TA	Date 10/16/19	Time 1300

Lab Courier: TA  
 Shipped: \_\_\_\_\_  
 Hand Delivered: \_\_\_\_\_

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_



## ANALYTICAL REPORT

Eurofins TestAmerica, Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

Laboratory Job ID: 500-171851-1

Client Project/Site: IDOT - Circle Interchange-WO 003

**For:**

Weston Solutions, Inc.  
300 Plaza Circle, Suite 202  
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers



Authorized for release by:  
10/26/2019 6:21:14 AM

Richard Wright, Senior Project Manager  
(708)534-5200  
[richard.wright@testamericainc.com](mailto:richard.wright@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171851-1

**Client Sample ID: VL-1(34-42)-101519**

**Lab Sample ID: 500-171851-1**

**Date Collected: 10/15/19 11:20**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 78.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Acetone	<0.017		0.017	0.0074	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Bromomethane	<0.0042 *		0.0042	0.0016	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Chloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	10/16/19 18:35	10/23/19 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		70 - 134	10/16/19 18:35	10/23/19 15:14	1
4-Bromofluorobenzene (Surr)	108		75 - 131	10/16/19 18:35	10/23/19 15:14	1
Dibromofluoromethane	94		75 - 126	10/16/19 18:35	10/23/19 15:14	1
Toluene-d8 (Surr)	95		75 - 124	10/16/19 18:35	10/23/19 15:14	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171851-1

**Client Sample ID: VL-1(34-42)-101519**

**Lab Sample ID: 500-171851-1**

Date Collected: 10/15/19 11:20

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 78.1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
<b>2-Methylnaphthalene</b>	<b>0.042</b>	<b>J</b>	0.081	0.0074	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
<b>Acenaphthene</b>	<b>0.011</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
<b>Benzo[g,h,i]perylene</b>	<b>0.015</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
<b>Chrysene</b>	<b>0.022</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
<b>Fluorene</b>	<b>0.0067</b>	<b>J</b>	0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1

Euofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171851-1

**Client Sample ID: VL-1(34-42)-101519**

**Lab Sample ID: 500-171851-1**

Date Collected: 10/15/19 11:20

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 78.1

## 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	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
<b>Naphthalene</b>	<b>0.011</b>	<b>J</b>	0.040	0.0062	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
<b>Phenanthrene</b>	<b>0.10</b>		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	10/18/19 07:37	10/18/19 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		31 - 143	10/18/19 07:37	10/18/19 20:55	1
2-Fluorobiphenyl	89		43 - 145	10/18/19 07:37	10/18/19 20:55	1
2-Fluorophenol	92		31 - 166	10/18/19 07:37	10/18/19 20:55	1
Nitrobenzene-d5	91		37 - 147	10/18/19 07:37	10/18/19 20:55	1
Phenol-d5	91		30 - 153	10/18/19 07:37	10/18/19 20:55	1
Terphenyl-d14	94		42 - 157	10/18/19 07:37	10/18/19 20:55	1

## Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/24/19 15:02	10/25/19 13:03	1
<b>Barium</b>	<b>0.36</b>	<b>J</b>	0.50	0.050	mg/L		10/24/19 15:02	10/25/19 13:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/24/19 15:02	10/25/19 13:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/24/19 15:02	10/25/19 13:03	1
Chromium	<0.025		0.025	0.010	mg/L		10/24/19 15:02	10/25/19 13:03	1
Cobalt	<0.025		0.025	0.010	mg/L		10/24/19 15:02	10/25/19 13:03	1
Copper	<0.025		0.025	0.010	mg/L		10/24/19 15:02	10/25/19 13:03	1
Iron	<0.40		0.40	0.20	mg/L		10/24/19 15:02	10/25/19 13:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/24/19 15:02	10/25/19 13:03	1
<b>Manganese</b>	<b>0.089</b>		0.025	0.010	mg/L		10/24/19 15:02	10/25/19 13:03	1
Nickel	<0.025		0.025	0.010	mg/L		10/24/19 15:02	10/25/19 13:03	1
Selenium	<0.050		0.050	0.020	mg/L		10/24/19 15:02	10/25/19 13:03	1
Silver	<0.025		0.025	0.010	mg/L		10/24/19 15:02	10/25/19 13:03	1
Zinc	<0.50		0.50	0.020	mg/L		10/24/19 15:02	10/25/19 13:03	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		10/24/19 15:06	10/25/19 13:45	1
Barium	<0.50		0.50	0.050	mg/L		10/24/19 15:06	10/25/19 13:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/24/19 15:06	10/25/19 13:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/24/19 15:06	10/25/19 13:45	1
Chromium	<0.025		0.025	0.010	mg/L		10/24/19 15:06	10/25/19 13:45	1
Cobalt	<0.025		0.025	0.010	mg/L		10/24/19 15:06	10/25/19 13:45	1
Copper	<0.025		0.025	0.010	mg/L		10/24/19 15:06	10/25/19 13:45	1
<b>Iron</b>	<b>1.2</b>		0.40	0.20	mg/L		10/24/19 15:06	10/25/19 13:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/24/19 15:06	10/25/19 13:45	1
<b>Manganese</b>	<b>0.021</b>	<b>J</b>	0.025	0.010	mg/L		10/24/19 15:06	10/25/19 13:45	1
Nickel	<0.025		0.025	0.010	mg/L		10/24/19 15:06	10/25/19 13:45	1
Selenium	<0.050		0.050	0.020	mg/L		10/24/19 15:06	10/25/19 13:45	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171851-1

**Client Sample ID: VL-1(34-42)-101519**

**Lab Sample ID: 500-171851-1**

Date Collected: 10/15/19 11:20

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 78.1

**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		10/24/19 15:06	10/25/19 13:45	1
Zinc	<0.50		0.50	0.020	mg/L		10/24/19 15:06	10/25/19 13:45	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.32	J	1.3	0.24	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Arsenic	7.4		0.63	0.22	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Barium	41		0.63	0.072	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Beryllium	0.75		0.25	0.059	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Cadmium	0.081	J B	0.13	0.023	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Calcium	57000		130	21	mg/Kg	☼	10/23/19 17:59	10/25/19 12:03	10
Chromium	17		0.63	0.31	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Cobalt	14		0.31	0.082	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Copper	29	B	0.63	0.18	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Iron	21000		13	6.5	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Lead	14		0.31	0.15	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Magnesium	23000		6.3	3.1	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Manganese	330		0.63	0.091	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Nickel	35		0.63	0.18	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Potassium	3400		31	11	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Selenium	0.87		0.63	0.37	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Silver	2.6		0.31	0.081	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Sodium	210		63	9.3	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Thallium	0.90		0.63	0.31	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Vanadium	21		0.31	0.074	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1
Zinc	53		1.3	0.55	mg/Kg	☼	10/23/19 17:59	10/24/19 15:07	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/24/19 10:05	10/25/19 11:10	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/25/19 07:42	10/25/19 11:16	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.020	0.0067	mg/Kg	☼	10/17/19 14:45	10/18/19 09:03	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.2	0.2	SU			10/18/19 12:37	1

# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171851-1

**Client Sample ID: VL-1(42-50)-101519**

**Lab Sample ID: 500-171851-2**

**Date Collected: 10/15/19 11:30**

**Matrix: Solid**

**Date Received: 10/16/19 13:00**

**Percent Solids: 80.0**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Acetone	<0.018		0.018	0.0077	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Bromomethane	<0.0044 *		0.0044	0.0017	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0020	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1
Xylenes, Total	<0.0035		0.0035	0.00057	mg/Kg	☼	10/16/19 18:35	10/23/19 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	10/16/19 18:35	10/23/19 15:40	1
4-Bromofluorobenzene (Surr)	101		75 - 131	10/16/19 18:35	10/23/19 15:40	1
Dibromofluoromethane	95		75 - 126	10/16/19 18:35	10/23/19 15:40	1
Toluene-d8 (Surr)	97		75 - 124	10/16/19 18:35	10/23/19 15:40	1

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171851-1

**Client Sample ID: VL-1(42-50)-101519**

**Lab Sample ID: 500-171851-2**

Date Collected: 10/15/19 11:30

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 80.0

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
<b>2-Methylnaphthalene</b>	<b>0.035</b>	<b>J</b>	0.080	0.0073	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
<b>Acenaphthene</b>	<b>0.011</b>	<b>J</b>	0.040	0.0072	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
<b>Benzo[g,h,i]perylene</b>	<b>0.013</b>	<b>J</b>	0.040	0.013	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
<b>Chrysene</b>	<b>0.019</b>	<b>J</b>	0.040	0.011	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
<b>Fluorene</b>	<b>0.0069</b>	<b>J</b>	0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171851-1

**Client Sample ID: VL-1(42-50)-101519**

**Lab Sample ID: 500-171851-2**

Date Collected: 10/15/19 11:30

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 80.0

**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	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
<b>Naphthalene</b>	<b>0.0068</b>	<b>J</b>	0.040	0.0061	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
<b>Phenanthrene</b>	<b>0.088</b>		0.040	0.0056	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1
<b>Pyrene</b>	<b>0.014</b>	<b>J</b>	0.040	0.0079	mg/Kg	☼	10/18/19 07:37	10/18/19 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	60		31 - 143	10/18/19 07:37	10/18/19 21:19	1
2-Fluorobiphenyl	81		43 - 145	10/18/19 07:37	10/18/19 21:19	1
2-Fluorophenol	84		31 - 166	10/18/19 07:37	10/18/19 21:19	1
Nitrobenzene-d5	85		37 - 147	10/18/19 07:37	10/18/19 21:19	1
Phenol-d5	83		30 - 153	10/18/19 07:37	10/18/19 21:19	1
Terphenyl-d14	86		42 - 157	10/18/19 07:37	10/18/19 21:19	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		10/24/19 15:02	10/25/19 13:27	1
<b>Barium</b>	<b>0.55</b>		0.50	0.050	mg/L		10/24/19 15:02	10/25/19 13:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/24/19 15:02	10/25/19 13:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/24/19 15:02	10/25/19 13:27	1
Chromium	<0.025		0.025	0.010	mg/L		10/24/19 15:02	10/25/19 13:27	1
<b>Cobalt</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/24/19 15:02	10/25/19 13:27	1
Copper	<0.025		0.025	0.010	mg/L		10/24/19 15:02	10/25/19 13:27	1
Iron	<0.40		0.40	0.20	mg/L		10/24/19 15:02	10/25/19 13:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/24/19 15:02	10/25/19 13:27	1
<b>Manganese</b>	<b>1.8</b>	<b>F1</b>	0.025	0.010	mg/L		10/24/19 15:02	10/25/19 13:27	1
<b>Nickel</b>	<b>0.033</b>		0.025	0.010	mg/L		10/24/19 15:02	10/25/19 13:27	1
Selenium	<0.050		0.050	0.020	mg/L		10/24/19 15:02	10/25/19 13:27	1
Silver	<0.025		0.025	0.010	mg/L		10/24/19 15:02	10/25/19 13:27	1
<b>Zinc</b>	<b>0.020</b>	<b>J</b>	0.50	0.020	mg/L		10/24/19 15:02	10/25/19 13:27	1

**Method: 6010B - Metals (ICP) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/24/19 15:06	10/25/19 13:49	1
<b>Barium</b>	<b>0.094</b>	<b>J</b>	0.50	0.050	mg/L		10/24/19 15:06	10/25/19 13:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		10/24/19 15:06	10/25/19 13:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/24/19 15:06	10/25/19 13:49	1
<b>Chromium</b>	<b>0.017</b>	<b>J</b>	0.025	0.010	mg/L		10/24/19 15:06	10/25/19 13:49	1
Cobalt	<0.025		0.025	0.010	mg/L		10/24/19 15:06	10/25/19 13:49	1
Copper	<0.025		0.025	0.010	mg/L		10/24/19 15:06	10/25/19 13:49	1
<b>Iron</b>	<b>9.1</b>		0.40	0.20	mg/L		10/24/19 15:06	10/25/19 13:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		10/24/19 15:06	10/25/19 13:49	1
<b>Manganese</b>	<b>0.087</b>		0.025	0.010	mg/L		10/24/19 15:06	10/25/19 13:49	1
<b>Nickel</b>	<b>0.013</b>	<b>J</b>	0.025	0.010	mg/L		10/24/19 15:06	10/25/19 13:49	1
Selenium	<0.050		0.050	0.020	mg/L		10/24/19 15:06	10/25/19 13:49	1

Eurofins TestAmerica, Chicago



# Client Sample Results

Client: Weston Solutions, Inc.  
Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171851-1

**Client Sample ID: VL-1(42-50)-101519**

**Lab Sample ID: 500-171851-2**

Date Collected: 10/15/19 11:30

Matrix: Solid

Date Received: 10/16/19 13:00

Percent Solids: 80.0

**Method: 6010B - Metals (ICP) - SPLP East (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		10/24/19 15:06	10/25/19 13:49	1
Zinc	0.025	J	0.50	0.020	mg/L		10/24/19 15:06	10/25/19 13:49	1

**Method: 6010B - Total Metals**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.43	J	1.2	0.24	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Arsenic	6.7		0.62	0.21	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Barium	44		0.62	0.070	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Beryllium	0.77		0.25	0.057	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Cadmium	0.087	J B	0.12	0.022	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Calcium	58000		120	21	mg/Kg	☼	10/23/19 17:59	10/25/19 12:07	10
Chromium	17		0.62	0.30	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Cobalt	14		0.31	0.081	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Copper	26	B	0.62	0.17	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Iron	21000		12	6.4	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Lead	13		0.31	0.14	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Magnesium	22000		6.2	3.1	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Manganese	330		0.62	0.089	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Nickel	36		0.62	0.18	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Potassium	3300		31	11	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Selenium	0.37	J	0.62	0.36	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Silver	2.6		0.31	0.079	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Sodium	220		62	9.1	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Thallium	0.98		0.62	0.31	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Vanadium	21		0.31	0.073	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1
Zinc	56		1.2	0.54	mg/Kg	☼	10/23/19 17:59	10/24/19 15:19	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/25/19 07:42	10/25/19 11:11	1

**Method: 7470A - Mercury (CVAA) - SPLP East**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/25/19 07:42	10/25/19 11:17	1

**Method: 7471B - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.018	0.0060	mg/Kg	☼	10/17/19 14:45	10/18/19 09:06	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			10/18/19 12:42	1

# Definitions/Glossary

Client: Weston Solutions, Inc.  
 Project/Site: IDOT - Circle Interchange-WO 003

Job ID: 500-171851-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

### GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### 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.
F1	MS and/or MSD Recovery is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
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 - Circle Interchange-WO 003

Job ID: 500-171851-1

## 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	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



# TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604  
Phone: 708.534.5200 Fax: 708.534.



500-171851 COC

Report To (optional)

Contact: Andrius Slesetas  
Company: Weston Solutions  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: 224-864-7201  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

Bill To (optional)

Contact: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
PO#/Reference#: \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-171851  
Chain of Custody Number: \_\_\_\_\_  
Page 3 of 3  
Temperature °C of Cooler: 5.44044

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
Weston Solutions		02056.014.003								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		Project Location/State		Lab Project #		Sampler		Lab PM			
IDOT 90/94		Chicago, IL				M. Denio					
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	VOCs	SVOCS	Total Metals	TECP/SPLP Metals	PH
			Date	Time							
1		VL-1(34-42)-101519	10/15/19	1120	6	S	X	X	X	X	X
2		VL-1(42-50)-101519		1130			X	X	X	X	

Turnaround Time Required (Business Days) \_\_\_\_\_  
 \_\_\_ 1 Day \_\_\_ 2 Days \_\_\_ 5 Days  7 Days \_\_\_ 10 Days \_\_\_ 15 Days \_\_\_ Other  
 Requested Due Date \_\_\_\_\_

Sample Disposal  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>Weston</u> Date: <u>10/16/19</u> Time: <u>1000</u>	Received By: <u>[Signature]</u> Company: <u>JA</u> Date: <u>10/16/19</u> Time: <u>1000</u>	Lab Courier: <u>JA</u>
Relinquished By: <u>[Signature]</u> Company: <u>JA</u> Date: <u>10/16/19</u> Time: <u>1300</u>	Received By: <u>[Signature]</u> Company: <u>JA-CPH</u> Date: <u>10/16/19</u> Time: <u>1300</u>	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: _____

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_

Lab Comments: \_\_\_\_\_