



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 80 (I-80) - e/o River Rd to w/o Houbolt Rd Office Phone Number, if available: _____

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

I-80 Eastbound Mainline (ISGS Site 2233V3-1)

City: Various State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.48649 Longitude: - 88.19742
(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.): 23,750

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 DR-3, DR-6, ROW-3 THROUGH ROW-5, ROW-7 THROUGH ROW-11, ROW-13, ROW-16 THROUGH ROW-23, ROW-25, ROW-26, ROW-28, ROW-31 THROUGH ROW-34, AND ROW-36 WERE SAMPLED ALONG I-80. SEE FIGURES 3-1 THROUGH 3-9, AND TABLE 4-1 OF THE 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]:

EUROFINS ANALYTICAL REPORTS - JOB ID: 500-231292-1, 500-231293-1, 500-231346-1, 500-231348-1, 500-231932-1, AND 500-231934-1. ALSO SEE FIGURES 4-1 THROUGH 4-9 OF THE PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

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

Company Name: Weston Solutions, Inc.
Street Address: 300 Knightsbridge Parkway; Suite 360
City: Lincolnshire State: IL Zip Code: 60069
Phone: (224) 864-7200

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

7 June 2023
Date:

Michael A. Castillo
Licensed Professional Engineer or
Licensed Professional Geologist Signature:



Summary Table - I-80 ROW - EB Mainline (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location Field Sample ID Sample Date ISGS Site No	Reference Concentrations (MAC Table)	ROW-3	ROW-4	ROW-5	ROW-7	ROW-7	ROW-8	ROW-8	ROW-9	ROW-10	ROW-11	ROW-11
		ROW-3(0-5)- 032723	ROW-4(0-5)- 032723	ROW-5(0-5)- 032723	ROW-7(0-5)- 032723	ROW-7(5-10)- 032723	ROW-8(0-5)- 032823	ROW-8(0-5)- 032823D	ROW-9(0-5)- 032823	ROW-10(0-5)- 032723	ROW-11(0-5)- 032823	ROW-11(5-10)- 032823
		3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023
Laboratory pH	<6.25, >9.0	7.3	7.5	7.4	8.3	8.7	7.7 J	7.4 J	8.1	8.4	6.8	7.9
VOCs (mg/kg)												
1,2-Dichloroethane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	25	ND	ND	ND	ND	0.0079 J	ND	ND	0.1 J	0.011 J	ND	ND
Benzene	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	---	ND	ND	ND	ND	ND	ND	ND	0.0048	ND	ND	ND
Toluene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.06	ND	ND	ND	ND	ND	ND	ND	0.00067 J	ND	ND	ND
SVOCs (mg/kg)												
2-Methylnaphthalene	---	ND	ND	0.014 J	ND	0.0072 J	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	ND	0.017 J	0.026 J	0.015 J	ND	ND	ND	ND	0.011 J	ND	ND
Benzo(a)pyrene	0.09 / 11 / 2.1	ND	0.044	0.051	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9 / 13 / 2.1	ND	0.046	0.055	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	---	ND	0.014 J	0.018 J	0.025 J	ND	ND	ND	ND	0.014 J	ND	ND
Benzo(k)fluoranthene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	0.16 J	ND	ND	ND	ND	ND	0.13 J	ND	0.14 J
Chrysene	88	ND	ND	0.016 J	0.013 J	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Octyl phthalate	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	ND	0.014 J	0.033 J	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	560	ND	ND	0.0077 J	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	ND	0.029 J	0.043	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	ND	0.008 J	0.027 J	0.011 J	0.0054 J	ND	ND	ND	0.0064 J	ND	ND
Pyrene	2300	ND	0.014 J	0.032 J	0.0077 J	ND	ND	ND	ND	ND	ND	ND
Total Metals (mg/kg)												
Aluminum, Total	---	13000	7000	8800	8300	3100	14000 B	17000 B	8800 B	9700	20000 B	7700 B
Antimony, Total	5	0.5 J	0.39 J	0.4 J	0.45 J	0.26 J	ND	ND	ND	0.43 J	ND	ND
Arsenic, Total	11.3 / 13	7.7	7.3	7.6	11	5.7	8.6	9.5	7.4	7.5	12	8.9
Barium, Total	1500	69	43	33	24	8.7	66	80	43	51	280	48
Beryllium, Total	22	0.86	0.61	0.71	0.71	0.32	0.75	0.87 J	0.54	0.74	1.2	0.58
Cadmium, Total	5.2	0.14	0.23	0.16	0.15	0.17	0.18	0.13 J	0.24	1.9	ND	0.2
Calcium, Total	---	19000	92000	73000	66000	120000	4200 B	2900 B	76000 B	63000	3200 B	85000 B
Chromium, Total	21	15	9.8	13	13	4.8	18	21	10	14	28	12
Cobalt, Total	20	9.4	9.1	12	19	5.4	9.9	8.7	9.1	12	15	9.3
Copper, Total	2900	18	17	21	28	19	18	19	14	20	29	16
Iron, Total	15000 / 15900	20000	18000	20000	19000	11000	21000 B	26000 B	14000 B	17000	34000 B	20000 B
Lead, Total	107	16	16	12	15	7	17	19	13	33	17	12
Magnesium, Total	325000	14000	52000	41000	33000	70000	4300 B	4000 B	35000 B	27000	6600 B	42000 B
Manganese, Total	630 / 636	500	420	340	410	290	320 B	400 B	400 B	490	500 B	330 B
Mercury, Total	0.89	0.046	0.026	0.032	0.02	0.012 J	0.032	0.035	0.019	0.027	0.051	0.011 J
Nickel, Total	100	25	20	28	31	12	23	26	20	26	79	22
Potassium, Total	---	1100	1400	2300	2300	1000	1400	1600	1100	2200	2100	1700
Selenium, Total	1.3	ND	ND	ND	0.39 J	ND	ND	ND	ND	ND	ND	ND
Silver, Total	4.4	0.43	0.16 J	0.19 J	0.21 J	ND	0.5	ND	0.29 J	0.27 J	ND	0.28
Sodium, Total	---	89	140	780	320	250	61	69 J	280	890	120 J	150
Thallium, Total	2.6	ND	ND	0.38 J	ND	0.3 J	ND	ND	ND	ND	ND	ND
Vanadium, Total	550	26	17	17	18	8.9	34	35	20	22	39	17
Zinc, Total	5100	43	50	51	53	32	68	71	63	200	82	45

Summary Table - I-80 ROW - EB Mainline (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location	Reference Concentrations (MAC Table)	ROW-3	ROW-4	ROW-5	ROW-7	ROW-7	ROW-8	ROW-8	ROW-9	ROW-10	ROW-11	ROW-11	
Field Sample ID		ROW-3(0-5)-032723	ROW-4(0-5)-032723	ROW-5(0-5)-032723	ROW-7(0-5)-032723	ROW-7(5-10)-032723	ROW-8(0-5)-032823	ROW-8(0-5)-032823D	ROW-9(0-5)-032823	ROW-10(0-5)-032723	ROW-11(0-5)-032823	ROW-11(5-10)-032823	
Sample Date		3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)													
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	0.01 J	ND	ND	ND	ND	0.011 J	
Barium, TCLP	2	0.24 J	0.14 J	0.34 J	0.15 J	0.075 J	0.46 J	0.51	0.34 J	0.39 J	0.63	0.47 J	
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cadmium, TCLP	0.005	ND	0.0034 J	ND	0.0026 J	ND	ND	ND	0.0023 J	0.003 J	ND	0.0026 J	
Chromium, TCLP	0.1	ND	ND	ND	ND	0.011 J	ND	ND	ND	ND	ND	ND	
Cobalt, TCLP	1	ND	0.059	ND	0.13	0.022 J	ND	ND	ND	0.027	ND	ND	
Copper, TCLP	0.65	ND	ND	ND	0.011 J	0.038	ND	ND	ND	ND	ND	ND	
Iron, TCLP	5	0.46	4.6	ND	1.9	4.4	ND	ND	ND	ND	ND	ND	
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Manganese, TCLP	0.15	0.59	3.3 B	2.3	4.1 B	2.6 B	0.054 J	0.12 J	0.81	5.2 B	1.6	0.58	
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nickel, TCLP	0.1	ND	0.06	0.01 J	0.043	0.04	ND	0.013 J	0.012 J	0.021 J	0.02 J	ND	
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	0.02 J	ND	0.02 J	ND	0.021 J	0.024 J	
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc, TCLP	5	ND	ND	ND	ND	ND	ND	0.41 J	ND	ND	ND	ND	
SPLP Metals (mg/l)													
Arsenic, SPLP	0.05	0.016 J	0.023 J	0.084	0.044 J	ND	0.026 J	0.025 J	0.044 J	0.08	0.053	ND	
Barium, SPLP	2	0.18 J	0.11 J	0.37 J	0.26 J	ND	0.23 J	0.19 J	0.3 J	0.56	0.97	ND	
Beryllium, SPLP	0.004	ND	ND	0.0076	0.0067	ND	ND	ND	0.0041	0.0082	0.008	ND	
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chromium, SPLP	0.1	0.048	0.043	0.14	0.13	ND	0.062	0.057	0.077	0.16	0.25	ND	
Cobalt, SPLP	1	ND	0.016 J	0.067	0.04	ND	0.014 J	0.014 J	0.018 J	0.1	0.036	ND	
Copper, SPLP	0.65	0.036	0.056	0.24	0.13	ND	0.045	0.052	0.091	0.2	0.17	ND	
Iron, SPLP	5	53	49	190	120	1.6	66	63	99	190	250	1.7	
Lead, SPLP	0.0075	0.018	0.029	0.11	0.076	ND	0.037	0.039	0.054	0.14	0.065	ND	
Manganese, SPLP	0.15	0.22	0.21	0.71	0.48	0.012 J	0.27	0.25	0.44	1.7	0.5	ND	
Mercury, SPLP	0.002	0.0009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nickel, SPLP	0.1	0.028	0.048	0.19	0.13	ND	0.041	0.047	0.069	0.24	0.12	ND	
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc, SPLP	5	0.12 J	0.14 J	0.5	0.31 J	ND	0.16 J	0.17 J	0.35 J	0.54	0.58	ND	

Summary Table - I-80 ROW - EB Mainline (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location		ROW-13	ROW-13	ROW-13	ROW-13	ROW-16	ROW-17	ROW-18	ROW-18	ROW-18	ROW-19
Field Sample ID	Reference Concentrations (MAC Table)	ROW-13(0-5)-032723	ROW-13(0-5)-032723D	ROW-13(5-10)-032723	ROW-13(10-15)-032723	ROW-16(0-5)-032723	ROW-17(0-5)-032723	ROW-18(0-5)-032823	ROW-18(5-10)-032823	ROW-18(10-15)-032823	ROW-19(0-5)-032823
Sample Date		3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/28/2023	3/28/2023	3/28/2023	3/28/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
Laboratory pH	<6.25, >9.0	8.8	8.5	7.8	7.9	8.7	7.7	7.4	7.6	7.4	8.0 J
VOCs (mg/kg)											
1,2-Dichloroethane	0.02	ND	ND	0.0024 J	ND	ND	ND	ND	ND	ND	ND
Acetone	25	ND	0.011 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (mg/kg)											
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	0.014 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	ND	0.053	ND	ND	ND	ND	0.012 J	ND	ND	ND
Benzo(a)pyrene	0.09 / 11 / 2.1	ND	0.055	ND	ND	ND	ND	ND	0.055	ND	ND
Benzo(b)fluoranthene	0.9 / 13 / 2.1	ND	0.062	ND	ND	ND	ND	0.043	0.055	ND	ND
Benzo(g,h,i)perylene	---	ND	0.062	ND	ND	ND	ND	0.02 J	0.054	ND	ND
Benzo(k)fluoranthene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	ND	0.047	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Octyl phthalate	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	0.023 J	0.083	0.011 J	0.0078 J	ND	ND	ND	0.0084 J	ND	ND
Fluorene	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	ND	0.046	ND	ND	ND	ND	ND	0.076	ND	ND
Phenanthrene	---	ND	0.054	ND	ND	ND	0.024 J	0.0082 J	0.008 J	ND	ND
Pyrene	2300	0.029 J	0.088	0.0094 J	0.012 J	ND	ND	ND	0.013 J	ND	ND
Total Metals (mg/kg)											
Aluminum, Total	---	9400	7900	12000	13000	12000	6500	12000 B	12000 B	12000	15000
Antimony, Total	5	0.38 J	0.53 J	0.34 J	0.36 J	0.39 J	0.39 J	ND	ND	ND	ND
Arsenic, Total	11.3 / 13	6.7	6.8	5.7	7.3	6.9	7	6.8	6.6	8.2 J	6.1
Barium, Total	1500	65	73	72	72	69	19	58	64	44 B	80 B
Beryllium, Total	22	0.68	0.63	0.75	0.84	0.84	0.58	0.8	0.77	0.8 J	0.8 J
Cadmium, Total	5.2	0.27	0.26	0.2	0.2	0.21	0.23	0.2	0.24	0.23 J	0.18 J
Calcium, Total	---	66000 B	74000 B	75000 B	60000 B	64000 B	91000 B	62000 B	63000 B	70000 B	35000 B
Chromium, Total	21	15	14	16	18	17	10	18	17	17	19
Cobalt, Total	20	8.5	9.2	8.6	10	12	10	11	10	12	10
Copper, Total	2900	20	19	17	22	19	21	20	18	19	18
Iron, Total	15000 / 15900	17000	19000	16000	20000	19000	17000	19000 B	18000 B	20000	18000
Lead, Total	107	24	24	12	15	14	12	13	12	12	12
Magnesium, Total	325000	29000	41000	31000	24000	27000	51000	23000 B	25000 B	25000	20000
Manganese, Total	630 / 636	360	570	310	330	400	320	350 B	340 B	360 B	240 B
Mercury, Total	0.89	0.023	0.027	0.031	0.03	0.037	0.021	0.016 J	0.019	0.022	0.016 J
Nickel, Total	100	21	25	22	27	30	22	31	26	31	26
Potassium, Total	---	1600	1600	2200	2500	2500	2200	2800	2400	2600	1800
Selenium, Total	1.3	ND	ND	0.7	ND	ND	ND	ND	ND	ND	0.55 J
Silver, Total	4.4	0.18 J	0.19 J	0.22 J	0.29 J	0.32	0.13 J	0.43	0.4	0.36	0.34
Sodium, Total	---	610	500	170	340	1500	420	740	470	170	1000
Thallium, Total	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33 J
Vanadium, Total	550	20	20	23	26	24	13	24	25	23	29
Zinc, Total	5100	81	66	54	58	60	86	55	55	59	52

Summary Table - I-80 ROW - EB Mainline (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location	Reference Concentrations (MAC Table)	ROW-13	ROW-13	ROW-13	ROW-13	ROW-16	ROW-17	ROW-18	ROW-18	ROW-18	ROW-19	
Field Sample ID		ROW-13(0-5)-032723	ROW-13(0-5)-032723D	ROW-13(5-10)-032723	ROW-13(10-15)-032723	ROW-16(0-5)-032723	ROW-17(0-5)-032723	ROW-18(0-5)-032823	ROW-18(5-10)-032823	ROW-18(10-15)-032823	ROW-19(0-5)-032823	
Sample Date		3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/28/2023	3/28/2023	3/28/2023	3/28/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)												
Arsenic, TCLP	0.05	ND	ND	0.012 J	ND	0.011 J	ND	ND	ND	ND	ND	
Barium, TCLP	2	0.63	0.65	0.61	0.61	0.93	0.25 J	0.4 J	0.57	0.44 J	0.56	
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cadmium, TCLP	0.005	0.0027 J	0.0021 J	0.0039 J	0.0031 J	0.0023 J	ND	0.0025 J	0.003 J	0.0036 J	ND	
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cobalt, TCLP	1	0.016 J	0.011 J	0.049	0.02 J	0.03	0.044	0.019 J	0.039	0.039	ND	
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Iron, TCLP	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Manganese, TCLP	0.15	5.3	3.9	5.8	3.5	8.2	2.4	4.8	10	6.3	4.1	
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nickel, TCLP	0.1	0.02 J	0.02 J	0.052	0.055	0.028	0.051	0.02 J	0.038	0.041	ND	
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	0.02 J	ND	ND	
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc, TCLP	5	0.066 J	0.033 J	0.022 J	0.02 J	ND	ND	ND	ND	ND	ND	
SPLP Metals (mg/l)												
Arsenic, SPLP	0.05	0.064	0.081	0.041 J	0.022 J	0.15 J	ND	ND	ND	0.022 J	0.051	
Barium, SPLP	2	0.75	0.79	0.37 J	0.28 J	0.87	ND	ND	ND	0.26 J	0.67	
Beryllium, SPLP	0.004	0.0092	0.0097	0.0044	ND	0.013	ND	ND	ND	ND	0.0066	
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chromium, SPLP	0.1	0.19	0.2	0.092	0.067	0.26	ND	ND	ND	0.073	0.14	
Cobalt, SPLP	1	0.1	0.1	0.029	0.013 J	0.13	ND	ND	ND	0.022 J	0.05	
Copper, SPLP	0.65	0.23	0.25	0.091	0.057	0.36 F1	ND	ND	ND	0.062	0.12	
Iron, SPLP	5	180	210	93	61	310 J	0.33 J	0.71	6.7	66	140	
Lead, SPLP	0.0075	0.2	0.2	0.049	0.028	0.15	ND	ND	ND	0.031	0.059	
Manganese, SPLP	0.15	1.9	1.9	0.7	0.25	2.3	0.013 J	0.022 J	0.14	0.55	1.2	
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nickel, SPLP	0.1	0.26	0.26	0.098	0.055	0.39	ND	ND	ND	0.073	0.15	
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc, SPLP	5	0.57	0.76	0.23 J	0.14 J	0.8	ND	ND	ND	0.19 J	0.34 J	

Summary Table - I-80 ROW - EB Mainline (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location	Reference Concentrations (MAC Table)	ROW-19	ROW-19	ROW-19	ROW-20	ROW-20	ROW-20	ROW-21	ROW-21	ROW-21	ROW-21	
Field Sample ID		ROW-19(5-10)-	ROW-19(10-15)-	ROW-19(10-15)-	ROW-20(0-5)-	ROW-20(5-10)-	ROW-20(10-15)-	ROW-21(0-5)-	ROW-21(5-10)-	ROW-21(10-15)-	ROW-21(15-18)-	
Sample Date		032823	032823	032823D	032823	032823	032823	040723	040723	040723	040723	040723
ISGS Site No		3/28/2023	3/28/2023	3/28/2023	3/28/2023	3/28/2023	3/28/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023
Laboratory pH	<6.25, >9.0	7.6	7.9 J	7.5 J	7.8	7.5	7.5	8.2	7.8	7.3	7.6	
VOCs (mg/kg)												
1,2-Dichloroethane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acetone	25	ND	0.0089 J	0.0092 J	0.013 J	0.012 J	ND	ND	ND	ND	ND	
Benzene	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methyl ethyl ketone	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toluene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SVOCs (mg/kg)												
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthene	570	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthylene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Anthracene	12000	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007 J	
Benzo(a)anthracene	0.9 / 11 / 1.8	0.012 J	ND	ND	ND	ND	ND	ND	ND	ND	0.034 J	
Benzo(a)pyrene	0.09 / 11 / 2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.04	
Benzo(b)fluoranthene	0.9 / 13 / 2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.066	
Benzo(g,h,i)perylene	---	ND	ND	ND	0.012 J	ND	ND	ND	ND	ND	0.051	
Benzo(k)fluoranthene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.022 J	
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chrysene	88	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.046	
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Di-N-Octyl phthalate	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	3100	ND	ND	ND	0.0078 J	ND	ND	0.014 J	ND	ND	0.042	
Fluorene	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.048	
Phenanthrene	---	ND	ND	ND	0.02 J	ND	ND	0.0081 J	ND	ND	0.018 J	
Pyrene	2300	ND	ND	ND	0.0089 J	ND	ND	0.012 J	ND	ND	0.035 J	
Total Metals (mg/kg)												
Aluminum, Total	---	14000	11000	11000	10000	14000	10000	8300	8500	4400	4600	
Antimony, Total	5	ND	ND	0.25 J	ND	0.22 J	ND	ND	ND	ND	ND	
Arsenic, Total	11.3 / 13	9.6	8.1	5.2	6.5	7.4	6.6	6.7	7.2	3.6	7.1	
Barium, Total	1500	49 B	58 B	62 B	53 B	100 B	46 B	77 B	39 B	13 B	16 B	
Beryllium, Total	22	0.87 J	0.78 J	0.66 J	0.69 J	0.83 J	0.66 J	0.71 J	0.7 J	0.68 J	0.66 J	
Cadmium, Total	5.2	0.24 J	0.2 J	0.2 J	0.2 J	0.27 J	0.24 J	0.28 J	ND	ND	ND	
Calcium, Total	---	34000 B	65000 B	64000 B	70000 B	8500 B	32000 B	59000	43000	74000	69000	
Chromium, Total	21	18	16	15	15	18	14	9.1	9.5	5	5.9	
Cobalt, Total	20	11	12	8.8	11	13	9.2	11	9.3	5.9	8.4	
Copper, Total	2900	21	18	16	19	17	19	14	13	7.8	11	
Iron, Total	15000 / 15900	21000	19000	16000	18000	19000	17000	13000	14000	7700	12000	
Lead, Total	107	14	13	12	14	15	13	45	19	27	25	
Magnesium, Total	325000	17000	25000	24000	27000	7000	19000	28000	20000	31000	30000	
Manganese, Total	630 / 636	340 B	340 B	310 B	380 B	200 B	290 B	560 B	250 B	150 B	240 B	
Mercury, Total	0.89	0.014 J	0.011 J	0.017 J	0.016 J	0.021	0.025	0.029	0.023	0.016 J	0.032	
Nickel, Total	100	32	28	22	27	25	23	18	19	16	20	
Potassium, Total	---	2100	2300	1600	2200	1200	1400	1800	1500	2500	2300	
Selenium, Total	1.3	ND	ND	ND	ND	ND	ND	0.41 J	ND	ND	ND	
Silver, Total	4.4	0.47	0.32	0.34	0.36	0.57	0.37	0.33	0.4	0.36	0.32	
Sodium, Total	---	150	210	190	1200	530	340	460	1500	470	610	
Thallium, Total	2.6	ND	0.36 J	ND	ND	ND	ND	ND	ND	ND	ND	
Vanadium, Total	550	29	23	22	21	31	22	16 B	16 B	7.4 B	8.4 B	
Zinc, Total	5100	64	56	48	53	62	56	57	31	3.8	15	

Summary Table - I-80 ROW - EB Mainline (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location	Reference Concentrations (MAC Table)	ROW-19	ROW-19	ROW-19	ROW-20	ROW-20	ROW-20	ROW-21	ROW-21	ROW-21	ROW-21
Field Sample ID		ROW-19(5-10)-	ROW-19(10-15)-	ROW-19(10-15)-	ROW-20(0-5)-	ROW-20(5-10)-	ROW-20(10-15)-	ROW-21(0-5)-	ROW-21(5-10)-	ROW-21(10-15)-	ROW-21(15-18)-
Sample Date		032823	032823	032823D	032823	032823	032823	040723	040723	040723	040723
ISGS Site No		3/28/2023	3/28/2023	3/28/2023	3/28/2023	3/28/2023	3/28/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023
		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)											
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	0.012 J	ND	ND
Barium, TCLP	2	0.43 J	0.49 J	0.31 J	0.44 J	0.64	0.57	0.3 J	0.41 J	0.074 J	0.5
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	0.0033 J	0.002 J	0.003 J	ND	ND	ND	ND	ND	0.0026 J
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	ND	0.042	0.029	0.05	0.01 J	0.011 J	0.017 J	0.04	0.13	0.042
Copper, TCLP	0.65	ND	ND	0.015 J	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	0.27 J	0.41	ND	ND	0.21 J	ND	0.48	0.37 J	0.25 J
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	2.9	5.4	3.9	6.2	4.5	4.2	1.7	7.2	4	6.1
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	0.029	0.026	0.028	ND	ND	0.047	0.036	0.22	0.026
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	0.02 J	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	ND	0.032 J	ND	ND	ND	ND	0.034 J	ND	0.28 J
SPLP Metals (mg/l)											
Arsenic, SPLP	0.05	ND	0.015 J	0.021 J	0.07	0.036 J	0.028 J	0.048 J	0.095	0.012 J	0.053
Barium, SPLP	2	0.079 J	0.21 J	0.33 J	0.64	0.43 J	0.41 J	0.71	0.7	ND	0.35 J
Beryllium, SPLP	0.004	ND	ND	0.0044	0.0085	0.0048	0.0047	0.0072	0.011	ND	0.011
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.021 J	0.054	0.089	0.16	0.095	0.09	0.13	0.19	ND	0.13
Cobalt, SPLP	1	ND	0.015 J	0.026	0.079	0.038	0.033	0.043	0.042	ND	0.057
Copper, SPLP	0.65	0.016 J	0.041	0.079	0.21	0.087	0.073	0.11	0.17	ND	0.074
Iron, SPLP	5	17	45 J	77 J	170	93	86	140	240	6.1	130
Lead, SPLP	0.0075	0.0097	0.026	0.047	0.12	0.05	0.04	0.12	0.1	ND	0.094
Manganese, SPLP	0.15	0.15	0.43	0.61	2.1	0.96	0.89	0.74	0.96	0.011 J	0.79
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.016 J	0.044	0.082	0.2	0.097	0.086	0.1	0.18	ND	0.16
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.075 J	0.12 J	0.2 J	0.48 J	0.22 J	0.2 J	0.43 J	0.55	ND	0.19 J

Summary Table - I-80 ROW - EB Mainline (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location	Reference Concentrations (MAC Table)	ROW-22	ROW-23	ROW-25	ROW-25	ROW-26	ROW-28	ROW-31	ROW-32	ROW-33	ROW-34
Field Sample ID		ROW-22(0-5)-040723	ROW-23(0-5)-040723	ROW-25(0-5)-040723	ROW-25(5-10)-040723	ROW-26(0-5)-040723	ROW-28(0-5)-040723	ROW-31(0-5)-040723	ROW-32(0-5)-040723	ROW-33(0-5)-040723	ROW-34(0-5)-040723
Sample Date		4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
Laboratory pH	<6.25, >9.0	8.0	7.7	8.1	6.9	7.6	7.9	8.0	8.4	8.4	7.3
VOCs (mg/kg)											
1,2-Dichloroethane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	25	0.0085 J	0.014	ND	0.049	0.011 J	ND	ND	ND	ND	ND
Benzene	0.03	ND	ND	ND	0.0012 J	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	---	ND	ND	ND	0.013	ND	ND	ND	ND	ND	ND
Toluene	12	ND	ND	ND	0.0013 J	ND	ND	ND	ND	ND	ND
Trichloroethene	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (mg/kg)											
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	---	ND	0.023 J	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	0.016 J	ND	ND	ND	ND	0.016 J	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	ND	0.12 J	ND	ND	ND	0.036 J	0.059 J	ND	ND	ND
Benzo(a)pyrene	0.09 / 11 / 2.1	ND	0.21	ND	ND	ND	0.052	0.071	ND	ND	ND
Benzo(b)fluoranthene	0.9 / 13 / 2.1	ND	0.23	ND	ND	ND	0.07	0.094	ND	ND	ND
Benzo(g,h,i)perylene	---	ND	0.2	ND	ND	ND	0.058	0.07	ND	ND	ND
Benzo(k)fluoranthene	9	ND	0.086	ND	ND	ND	0.02 J	0.037 J	ND	ND	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	0.1 J	ND	ND	ND	ND	ND
Chrysene	88	ND	0.14	ND	ND	ND	0.025 J	0.056	ND	ND	ND
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	ND	0.039	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Octyl phthalate	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	ND	0.14	ND	ND	0.01 J	0.041 J	0.13	ND	0.024 J	ND
Fluorene	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	ND	0.21	ND	ND	ND	0.052	0.064	ND	ND	ND
Phenanthrene	---	ND	0.045	ND	ND	ND	0.014 J	0.073	ND	ND	ND
Pyrene	2300	ND	0.18	ND	ND	0.011 J	0.035 J	0.11	ND	0.025 J	ND
Total Metals (mg/kg)											
Aluminum, Total	---	5600	7300	6100	11000	3600	12000	8800	3500 B	6100 B	6300 B
Antimony, Total	5	ND	ND	ND	ND	ND	ND	ND	ND	0.42 J	0.44 J
Arsenic, Total	11.3 / 13	5.6	6	5.8	6.5	4.5	5	7.4	0.45 J	7	5.5
Barium, Total	1500	24 B	42 B	29 B	81 B	34 B	93 B	84 B	9.3 J	30	28
Beryllium, Total	22	0.67 J	0.71 J	0.64 J	0.7 J	0.56 J	0.74 J	0.67 J	0.46	0.56	0.74
Cadmium, Total	5.2	ND	ND	ND	ND	ND	ND	ND	ND	0.21 J	0.18 J
Calcium, Total	---	72000	58000	78000	25000	100000	59000	71000	12000 J	78000 B	64000 B
Chromium, Total	21	6.5	8.2	7	12	4.6	13	22	5.1 J	8	7.6
Cobalt, Total	20	7.7	12	7.2	9.3	10	7.2	7.1	1 J	6.6	11
Copper, Total	2900	8.9	12	12	13	7.3	14	29	4.3 B	12 B	11 B
Iron, Total	15000 / 15900	11000	13000	15000	14000	12000	14000	20000	1900 B	14000 B	12000 B
Lead, Total	107	23	28	20	16	15	28	34	2.5	15	24
Magnesium, Total	325000	31000	27000	45000	17000	61000	29000	40000	5400 J	46000 B	29000 B
Manganese, Total	630 / 636	280 B	380 B	260 B	420 B	420 B	330 B	460 B	38 J	340 B	250 B
Mercury, Total	0.89	0.015 J	0.032	0.016 J	0.041	0.026 J	0.043	0.028	ND	0.031	0.025
Nickel, Total	100	17	22	17	20	18	14	19	2.6 J	14	17
Potassium, Total	---	2400	1600	2000	1100	1600	1400	1400	1700 J	1400	2400
Selenium, Total	1.3	ND	ND	ND	0.39 J	ND	ND	ND	ND	ND	ND
Silver, Total	4.4	0.41	0.34	0.36	0.39	0.27 J	0.4	0.26 J	0.65 J	0.24 J	0.39
Sodium, Total	---	650	930	550	260	700	3200	1500	1100	940	1900
Thallium, Total	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	550	10 B	14 B	14 B	22 B	6.9 B	22 B	20 B	2.6	14	14
Zinc, Total	5100	11	28	23	48	11	76	100	2	39	24

Summary Table - I-80 ROW - EB Mainline (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location	Reference Concentrations (MAC Table)	ROW-22	ROW-23	ROW-25	ROW-25	ROW-26	ROW-28	ROW-31	ROW-32	ROW-33	ROW-34	
Field Sample ID		ROW-22(0-5)-	ROW-23(0-5)-	ROW-25(0-5)-	ROW-25(5-10)-	ROW-26(0-5)-	ROW-28(0-5)-	ROW-31(0-5)-	ROW-32(0-5)-	ROW-33(0-5)-	ROW-34(0-5)-	
Sample Date		040723	040723	040723	040723	040723	040723	040723	040723	040723	040723	040723
ISGS Site No		4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023
		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	
TCLP Metals (mg/l)												
Arsenic, TCLP	0.05	ND	0.014 J	ND	0.013 J	0.016 J	ND	ND	ND	ND	ND	
Barium, TCLP	2	0.36 J	0.42 J	0.31 J	0.78	0.35 J	0.4 J	0.28 J	ND	0.5	0.72	
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cadmium, TCLP	0.005	ND	0.0024 J	ND	0.002 J	ND	ND	0.002 J	ND	ND	ND	
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cobalt, TCLP	1	0.047	0.036	0.044	0.049	ND	ND	0.047	ND	ND	0.017 J	
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Iron, TCLP	5	ND	0.38 J	0.57	1.1	ND	0.52	2.4	ND	ND	ND	
Lead, TCLP	0.0075	ND	0.026	ND	ND	ND	ND	ND	ND	ND	ND	
Manganese, TCLP	0.15	4.2	7.4	6.1	12	0.81 B	0.72	4.9	1.1 B	0.58 B	6.2 B	
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nickel, TCLP	0.1	0.046	0.033	0.059	0.037	0.013 J	ND	0.053	0.011 J	ND	0.016 J	
Selenium, TCLP	0.05	ND	0.02 J	ND	ND	ND	ND	ND	ND	ND	ND	
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc, TCLP	5	ND	0.055 J	0.024 J	0.064 J	ND	ND	0.032 J	ND	ND	ND	
SPLP Metals (mg/l)												
Arsenic, SPLP	0.05	0.029 J	0.049 J	0.024 J	0.024 J	0.035 J	0.056	0.026 J	0.016 J	0.066	0.057	
Barium, SPLP	2	0.34 J	0.55	0.14 J	0.42 J	0.29 J	1.3	0.16 J	0.11 J	0.74	0.47 J	
Beryllium, SPLP	0.004	0.0066	0.0074	0.0055	ND	0.0078	0.011	ND	0.0087	0.0076	0.0075	
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	0.0033 J	ND	ND	ND	ND	
Chromium, SPLP	0.1	0.085	0.12	0.069	0.065	0.095	0.23	0.049	0.15	0.16	0.12	
Cobalt, SPLP	1	0.042	0.053	0.021 J	0.022 J	0.037	0.047	0.015 J	0.01 J	0.037	0.045	
Copper, SPLP	0.65	0.085	0.11	0.053	0.06	0.059	0.14	0.064	0.1	0.13	0.12	
Iron, SPLP	5	83	130	69	60	100	230	58	33	170	130	
Lead, SPLP	0.0075	0.13	0.38	0.082	0.062	0.071	0.17	0.043	0.027	0.11	0.12	
Manganese, SPLP	0.15	0.87	1.1	0.46	0.83	0.57	1.3	0.34	0.14	1.3	0.85	
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nickel, SPLP	0.1	0.1	0.13	0.069	0.054	0.078	0.14	0.052	0.039	0.14	0.12	
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc, SPLP	5	0.11 J	0.35 J	0.093 J	0.16 J	0.16 J	0.87	0.17 J	ND	0.63 B	0.5 J	

Summary Table - I-80 ROW - EB Mainline (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location		ROW-34	ROW-36	DR-3	DR-3	DR-6	DR-6
Field Sample ID	Reference Concentrations (MAC Table)	ROW-34(5-10)-040723	ROW-36(0-5)-040723	DR-3(0-5)-032723	DR-3(5-10)-032723	DR-6(0-5)-032723	DR-6(5-10)-032723
Sample Date		4/7/2023	4/7/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-48	2233V3-48	2233V3-48	2233V3-48
Laboratory pH	<6.25, >9.0	7.8	7.1	7.5	7.5	7.6	7.5
VOCs (mg/kg)							
1,2-Dichloroethane	0.02	ND	ND	ND	ND	ND	ND
Acetone	25	ND	0.023	0.014 J	0.017	0.0096 J	ND
Benzene	0.03	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	---	ND	0.0048	ND	ND	ND	ND
Toluene	12	ND	ND	ND	ND	ND	ND
Trichloroethene	0.06	ND	ND	ND	ND	ND	ND
SVOCs (mg/kg)							
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND	ND	0.078
Acenaphthylene	---	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	ND	ND	ND	ND	0.046
Benzo(a)anthracene	0.9 / 11 / 1.8	ND	ND	0.02 J	0.014 J	ND	0.37
Benzo(a)pyrene	0.09 / 11 / 2.1	ND	ND	ND	0.045	ND	0.59
Benzo(b)fluoranthene	0.9 / 13 / 2.1	ND	ND	0.041	0.042	ND	0.63
Benzo(g,h,i)perylene	---	ND	ND	ND	ND	ND	0.54
Benzo(k)fluoranthene	9	ND	ND	ND	ND	ND	0.25
bis(2-Ethylhexyl)phthalate	46	ND	ND	0.14 J	0.15 J	ND	0.15 J
Chrysene	88	ND	ND	0.012 J	ND	ND	0.45
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	ND	ND	ND	ND	ND	0.14
Di-N-Octyl phthalate	1600	ND	ND	ND	ND	ND	0.2
Fluoranthene	3100	ND	ND	0.045	0.016 J	ND	0.55
Fluorene	560	ND	ND	ND	ND	ND	0.024 J
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	ND	ND	ND	0.027 J	ND	0.69
Phenanthrene	---	ND	ND	0.0095 J	0.013 J	ND	0.23
Pyrene	2300	ND	ND	0.041	0.017 J	ND	0.58
Total Metals (mg/kg)							
Aluminum, Total	---	5300 B	14000 B	12000	8200	7400	13000
Antimony, Total	5	ND	ND	0.43 J	0.49 J	0.28 J	0.72 J
Arsenic, Total	11.3 / 13	4.9	9.3	6.8	7.5	5.4	8.7
Barium, Total	1500	25	140	51	47	64	64
Beryllium, Total	22	0.43	0.81	0.91	0.69	0.57	0.96
Cadmium, Total	5.2	0.21 J	0.18 J	0.17	0.2	0.25	0.18
Calcium, Total	---	100000 B	8200 B	52000	90000	92000	58000
Chromium, Total	21	7.5	15	17	12	10	18
Cobalt, Total	20	4.6	11	16	10	8.7	13
Copper, Total	2900	10 B	14 B	24	16	14	22
Iron, Total	15000 / 15900	13000 B	20000 B	20000	21000	13000	24000
Lead, Total	107	8.1	16	16	16	15	16
Magnesium, Total	325000	61000 B	6200 B	28000	39000	27000	28000
Manganese, Total	630 / 636	310 B	380 B	380	420	390	370
Mercury, Total	0.89	0.01 J	0.034	0.024	0.025	0.021	0.021
Nickel, Total	100	11	21	36	23	18	33
Potassium, Total	---	870	1100	2600	2000	1300	2800
Selenium, Total	1.3	ND	ND	ND	ND	ND	ND
Silver, Total	4.4	0.19 J	0.42	0.25 J	0.2 J	0.2 J	0.29
Sodium, Total	---	380	2300	650	890	330	250
Thallium, Total	2.6	ND	ND	0.65	ND	ND	0.37 J
Vanadium, Total	550	15	32	20	17	16	24
Zinc, Total	5100	30	62	53	58	48	60

**Summary Table - I-80 ROW - EB Mainline (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	ROW-34	ROW-36	DR-3	DR-3	DR-6	DR-6
Field Sample ID		ROW-34(5-10)-	ROW-36(0-5)-	DR-3(0-5)-	DR-3(5-10)-	DR-6(0-5)-	DR-6(5-10)-
Sample Date		040723	040723	032723	032723	032723	032723
ISGS Site No		4/7/2023	4/7/2023	3/27/2023	3/27/2023	3/27/2023	3/27/2023
		2233V3-1	2233V3-1	2233V3-48	2233V3-48	2233V3-48	2233V3-48
TCLP Metals (mg/l)							
Arsenic, TCLP	0.05	ND	ND	ND	0.013 J	ND	ND
Barium, TCLP	2	0.22 J	1.2	0.51	0.56	0.37 J	0.41 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	ND	ND	0.0032 J
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	ND	0.015 J	ND	0.021 J	0.016 J	0.072
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND	0.2 J	1
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	1.4 B	5.3 B	2.6	2.9	3.9	9.5 B
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.013 J	0.02 J	0.011 J	0.029	0.019 J	0.06
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	ND	ND	ND	ND	ND
SPLP Metals (mg/l)							
Arsenic, SPLP	0.05	ND	0.074	0.013 J	ND	0.09	0.038 J
Barium, SPLP	2	ND	1.4	0.27 J	0.07 J	0.34 J	0.29 J
Beryllium, SPLP	0.004	ND	0.0087	ND	ND	0.0079	0.0048
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	ND	0.17	0.066	0.014 J	0.13	0.09
Cobalt, SPLP	1	ND	0.076	0.029	ND	0.093	0.046
Copper, SPLP	0.65	ND	0.17	0.055	0.011 J	0.23	0.11
Iron, SPLP	5	0.57	200	52	10	180	97
Lead, SPLP	0.0075	ND	0.11	0.031	ND	0.1	0.052
Manganese, SPLP	0.15	ND	2.6	0.6	0.1	1.5	0.87
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.021 J	0.18	0.072	ND	0.22	0.11
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.5 J	0.61 B	0.11 J	0.025 J	0.46 J	0.22 J

Notes and Abbreviations:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/7/2023 3:03:19 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231292-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231292-1	ROW-12(10-15)-032723	Solid	03/27/23 13:55	03/27/23 16:50
500-231292-2	ROW-12(15-18)-032723	Solid	03/27/23 14:00	03/27/23 16:50
500-231292-3	ROW-13(0-5)-032723	Solid	03/27/23 14:25	03/27/23 16:50
500-231292-4	ROW-13(0-5)-032723D	Solid	03/27/23 14:25	03/27/23 16:50
500-231292-5	ROW-13(5-10)-032723	Solid	03/27/23 14:30	03/27/23 16:50
500-231292-6	ROW-13(10-15)-032723	Solid	03/27/23 14:35	03/27/23 16:50
500-231292-7	ROW-14(0-5)-032723	Solid	03/27/23 14:50	03/27/23 16:50
500-231292-8	ROW-14(5-10)-032723	Solid	03/27/23 14:55	03/27/23 16:50
500-231292-9	ROW-14(10-15)-032723	Solid	03/27/23 15:00	03/27/23 16:50
500-231292-10	ROW-17(0-5)-032723	Solid	03/27/23 15:15	03/27/23 16:50
500-231292-11	ROW-16(0-5)-032723	Solid	03/27/23 15:30	03/27/23 16:50

- 1
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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723

Lab Sample ID: 500-231292-3

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0071	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Carbon disulfide	<0.0041		0.0041	0.00084	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 131	03/28/23 16:48	04/04/23 12:58	1
Dibromofluoromethane (Surr)	91		75 - 126	03/28/23 16:48	04/04/23 12:58	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/28/23 16:48	04/04/23 12:58	1
Toluene-d8 (Surr)	90		75 - 124	03/28/23 16:48	04/04/23 12:58	1

Method: SW846 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	☆	04/04/23 09:02	04/06/23 15:44	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	04/04/23 09:02	04/06/23 15:44	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	04/04/23 09:02	04/06/23 15:44	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☆	04/04/23 09:02	04/06/23 15:44	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☆	04/04/23 09:02	04/06/23 15:44	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723

Lab Sample ID: 500-231292-3

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 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	✱	04/04/23 09:02	04/06/23 15:44	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Carbazole	<0.20		0.20	0.10	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Chrysene	<0.040		0.040	0.011	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Fluoranthene	0.023	J	0.040	0.0074	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	✱	04/04/23 09:02	04/06/23 15:44	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723

Lab Sample ID: 500-231292-3

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 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	☼	04/04/23 09:02	04/06/23 15:44	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Pyrene	0.029	J	0.040	0.0079	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	68		31 - 143	04/04/23 09:02	04/06/23 15:44	1
2-Fluorobiphenyl (Surr)	72		43 - 145	04/04/23 09:02	04/06/23 15:44	1
2-Fluorophenol (Surr)	71		31 - 166	04/04/23 09:02	04/06/23 15:44	1
Nitrobenzene-d5 (Surr)	75		37 - 147	04/04/23 09:02	04/06/23 15:44	1
Phenol-d5 (Surr)	72		30 - 153	04/04/23 09:02	04/06/23 15:44	1
Terphenyl-d14 (Surr)	88		42 - 157	04/04/23 09:02	04/06/23 15:44	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Barium	0.63		0.50	0.050	mg/L		03/31/23 18:28	04/03/23 21:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:28	04/03/23 21:17	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		03/31/23 18:28	04/03/23 21:17	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Cobalt	0.016	J	0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:28	04/03/23 21:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:28	04/03/23 21:17	1
Manganese	5.3		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Nickel	0.020	J	0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:28	04/03/23 21:17	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Zinc	0.066	J	0.50	0.020	mg/L		03/31/23 18:28	04/03/23 21:17	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.064		0.050	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Barium	0.75		0.50	0.050	mg/L		03/31/23 18:30	04/03/23 20:00	1
Beryllium	0.0092		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 20:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 20:00	1
Chromium	0.19		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Cobalt	0.10		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Copper	0.23		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Iron	180		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 20:00	1
Lead	0.20		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 20:00	1
Manganese	1.9		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Nickel	0.26		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 20:00	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723

Lab Sample ID: 500-231292-3

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Zinc	0.57		0.50	0.020	mg/L		03/31/23 18:30	04/03/23 20:00	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9400		12	4.9	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Antimony	0.38	J	1.2	0.23	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Arsenic	6.7		0.60	0.20	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Barium	65		0.60	0.068	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Beryllium	0.68		0.24	0.056	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Cadmium	0.27		0.12	0.021	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Calcium	66000	B	60	10	mg/Kg	☆	04/03/23 10:36	04/05/23 13:52	5
Chromium	15		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Cobalt	8.5		0.30	0.078	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Copper	20		0.60	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Iron	17000		12	6.2	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Lead	24		0.30	0.14	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Magnesium	29000		6.0	3.0	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Manganese	360		0.60	0.087	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Nickel	21		0.60	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Potassium	1600		30	11	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Selenium	<0.60		0.60	0.35	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Silver	0.18	J	0.30	0.077	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Sodium	610		60	8.8	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Vanadium	20		0.30	0.070	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Zinc	81		1.2	0.52	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 14:08	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:54	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.019	0.010	mg/Kg	☆	03/30/23 16:50	03/31/23 08:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.8		0.2	0.2	SU			03/29/23 17:53	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723D

Lab Sample ID: 500-231292-4

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	J	0.014	0.0062	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Bromoform	<0.0014		0.0014	0.00042	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Bromomethane	<0.0036		0.0036	0.0013	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Carbon disulfide	<0.0036		0.0036	0.00074	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Chlorobenzene	<0.0014		0.0014	0.00052	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Chloroethane	<0.0036	*-	0.0036	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Chloroform	<0.0014		0.0014	0.00049	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Chloromethane	<0.0036		0.0036	0.0014	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Dibromochloromethane	<0.0014		0.0014	0.00046	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,3-Dichloropropane, Total	<0.0014		0.0014	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00045	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Tetrachloroethene	<0.0014		0.0014	0.00048	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Xylenes, Total	<0.0028		0.0028	0.00045	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		75 - 131	03/28/23 16:48	04/03/23 16:39	1
Dibromofluoromethane (Surr)	120		75 - 126	03/28/23 16:48	04/03/23 16:39	1
1,2-Dichloroethane-d4 (Surr)	125		70 - 134	03/28/23 16:48	04/03/23 16:39	1
Toluene-d8 (Surr)	118		75 - 124	03/28/23 16:48	04/03/23 16:39	1

Method: SW846 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	☼	04/04/23 09:02	04/06/23 16:10	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723D

Lab Sample ID: 500-231292-4

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.1

Method: SW846 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	✳	04/04/23 09:02	04/06/23 16:10	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Anthracene	0.014	J	0.038	0.0063	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Benzo[a]anthracene	0.053		0.038	0.0051	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Benzo[a]pyrene	0.055		0.038	0.0074	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Benzo[b]fluoranthene	0.062		0.038	0.0082	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Benzo[g,h,i]perylene	0.062		0.038	0.012	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Chrysene	0.047		0.038	0.010	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Fluoranthene	0.083		0.038	0.0070	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723D

Lab Sample ID: 500-231292-4

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.046		0.038	0.0098	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.046	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Phenanthrene	0.054		0.038	0.0053	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Pyrene	0.088		0.038	0.0075	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	69		31 - 143				04/04/23 09:02	04/06/23 16:10	1
2-Fluorobiphenyl (Surr)	69		43 - 145				04/04/23 09:02	04/06/23 16:10	1
2-Fluorophenol (Surr)	68		31 - 166				04/04/23 09:02	04/06/23 16:10	1
Nitrobenzene-d5 (Surr)	69		37 - 147				04/04/23 09:02	04/06/23 16:10	1
Phenol-d5 (Surr)	69		30 - 153				04/04/23 09:02	04/06/23 16:10	1
Terphenyl-d14 (Surr)	84		42 - 157				04/04/23 09:02	04/06/23 16:10	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Barium	0.65		0.50	0.050	mg/L		03/31/23 18:28	04/03/23 21:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:28	04/03/23 21:20	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		03/31/23 18:28	04/03/23 21:20	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Cobalt	0.011	J	0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:28	04/03/23 21:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:28	04/03/23 21:20	1
Manganese	3.9		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Nickel	0.020	J	0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:28	04/03/23 21:20	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Zinc	0.033	J	0.50	0.020	mg/L		03/31/23 18:28	04/03/23 21:20	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.081		0.050	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Barium	0.79		0.50	0.050	mg/L		03/31/23 18:30	04/03/23 20:03	1
Beryllium	0.0097		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 20:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 20:03	1
Chromium	0.20		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Cobalt	0.10		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Copper	0.25		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Iron	210		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 20:03	1
Lead	0.20		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 20:03	1
Manganese	1.9		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Nickel	0.26		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 20:03	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723D

Lab Sample ID: 500-231292-4

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Zinc	0.76		0.50	0.020	mg/L		03/31/23 18:30	04/03/23 20:03	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7900		12	4.8	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Antimony	0.53	J	1.2	0.23	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Arsenic	6.8		0.58	0.20	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Barium	73		2.9	0.33	mg/Kg	☆	04/03/23 10:36	04/05/23 13:55	5
Beryllium	0.63		0.23	0.055	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Cadmium	0.26		0.12	0.021	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Calcium	74000	B	58	9.9	mg/Kg	☆	04/03/23 10:36	04/05/23 13:55	5
Chromium	14		0.58	0.29	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Cobalt	9.2		0.29	0.077	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Copper	19		0.58	0.16	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Iron	19000		58	30	mg/Kg	☆	04/03/23 10:36	04/05/23 13:55	5
Lead	24		0.29	0.13	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Magnesium	41000		29	14	mg/Kg	☆	04/03/23 10:36	04/05/23 13:55	5
Manganese	570		0.58	0.085	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Nickel	25		0.58	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Potassium	1600		29	10	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Silver	0.19	J	0.29	0.075	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Sodium	500		58	8.6	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Vanadium	20		0.29	0.069	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Zinc	66		1.2	0.51	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 14:10	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:56	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.018	0.0097	mg/Kg	☆	03/30/23 16:50	03/31/23 08:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.2	0.2	SU			03/29/23 17:58	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(5-10)-032723

Lab Sample ID: 500-231292-5

Date Collected: 03/27/23 14:30

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0069	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Chloroethane	<0.0040	*	0.0040	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,2-Dichloroethane	0.0024	J	0.0040	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		75 - 131	03/28/23 16:48	04/03/23 17:04	1
Dibromofluoromethane (Surr)	121		75 - 126	03/28/23 16:48	04/03/23 17:04	1
1,2-Dichloroethane-d4 (Surr)	128		70 - 134	03/28/23 16:48	04/03/23 17:04	1
Toluene-d8 (Surr)	121		75 - 124	03/28/23 16:48	04/03/23 17:04	1

Method: SW846 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	☆	04/04/23 09:02	04/06/23 16:36	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(5-10)-032723

Lab Sample ID: 500-231292-5

Date Collected: 03/27/23 14:30

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 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	☆	04/04/23 09:02	04/06/23 16:36	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Fluoranthene	0.011	J	0.040	0.0075	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(5-10)-032723

Lab Sample ID: 500-231292-5

Date Collected: 03/27/23 14:30

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 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	☼	04/04/23 09:02	04/06/23 16:36	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Pyrene	0.0094	J	0.040	0.0080	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	74		31 - 143	04/04/23 09:02	04/06/23 16:36	1
2-Fluorobiphenyl (Surr)	72		43 - 145	04/04/23 09:02	04/06/23 16:36	1
2-Fluorophenol (Surr)	76		31 - 166	04/04/23 09:02	04/06/23 16:36	1
Nitrobenzene-d5 (Surr)	75		37 - 147	04/04/23 09:02	04/06/23 16:36	1
Phenol-d5 (Surr)	75		30 - 153	04/04/23 09:02	04/06/23 16:36	1
Terphenyl-d14 (Surr)	93		42 - 157	04/04/23 09:02	04/06/23 16:36	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Barium	0.61		0.50	0.050	mg/L		03/31/23 18:28	04/03/23 21:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:28	04/03/23 21:56	1
Cadmium	0.0039	J	0.0050	0.0020	mg/L		03/31/23 18:28	04/03/23 21:56	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Cobalt	0.049		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:28	04/03/23 21:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:28	04/03/23 21:56	1
Manganese	5.8		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Nickel	0.052		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:28	04/03/23 21:56	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Zinc	0.022	J	0.50	0.020	mg/L		03/31/23 18:28	04/03/23 21:56	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.041	J	0.050	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Barium	0.37	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 20:06	1
Beryllium	0.0044		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 20:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 20:06	1
Chromium	0.092		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Cobalt	0.029		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Copper	0.091		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Iron	93		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 20:06	1
Lead	0.049		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 20:06	1
Manganese	0.70		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Nickel	0.098		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 20:06	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(5-10)-032723

Lab Sample ID: 500-231292-5

Date Collected: 03/27/23 14:30

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Zinc	0.23	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 20:06	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		12	4.9	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Antimony	0.34	J	1.2	0.23	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Arsenic	5.7		0.60	0.21	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Barium	72		0.60	0.069	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Beryllium	0.75		0.24	0.056	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Cadmium	0.20		0.12	0.022	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Calcium	75000	B	60	10	mg/Kg	☆	04/03/23 10:36	04/05/23 14:05	5
Chromium	16		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Cobalt	8.6		0.30	0.079	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Copper	17		0.60	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Iron	16000		12	6.3	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Lead	12		0.30	0.14	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Magnesium	31000		6.0	3.0	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Manganese	310		0.60	0.087	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Nickel	22		0.60	0.18	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Potassium	2200		30	11	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Selenium	0.70		0.60	0.35	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Silver	0.22	J	0.30	0.078	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Sodium	170		60	8.9	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Vanadium	23		0.30	0.071	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Zinc	54		1.2	0.53	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:29	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:58	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.019	0.010	mg/Kg	☆	03/30/23 16:50	03/31/23 08:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			03/29/23 18:00	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(10-15)-032723

Lab Sample ID: 500-231292-6

Date Collected: 03/27/23 14:35

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 82.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0068	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Chloroethane	<0.0039	*	0.0039	0.0012	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	✱	03/28/23 16:48	04/03/23 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		75 - 131	03/28/23 16:48	04/03/23 17:29	1
Dibromofluoromethane (Surr)	106		75 - 126	03/28/23 16:48	04/03/23 17:29	1
1,2-Dichloroethane-d4 (Surr)	117		70 - 134	03/28/23 16:48	04/03/23 17:29	1
Toluene-d8 (Surr)	108		75 - 124	03/28/23 16:48	04/03/23 17:29	1

Method: SW846 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	✱	04/04/23 09:02	04/06/23 17:02	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(10-15)-032723

Lab Sample ID: 500-231292-6

Date Collected: 03/27/23 14:35

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 82.4

Method: SW846 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	✳	04/04/23 09:02	04/06/23 17:02	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Fluoranthene	0.0078	J	0.039	0.0072	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(10-15)-032723

Lab Sample ID: 500-231292-6

Date Collected: 03/27/23 14:35

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 82.4

Method: SW846 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	☼	04/04/23 09:02	04/06/23 17:02	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Pyrene	0.012	J	0.039	0.0077	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	61		31 - 143	04/04/23 09:02	04/06/23 17:02	1
2-Fluorobiphenyl (Surr)	62		43 - 145	04/04/23 09:02	04/06/23 17:02	1
2-Fluorophenol (Surr)	61		31 - 166	04/04/23 09:02	04/06/23 17:02	1
Nitrobenzene-d5 (Surr)	64		37 - 147	04/04/23 09:02	04/06/23 17:02	1
Phenol-d5 (Surr)	67		30 - 153	04/04/23 09:02	04/06/23 17:02	1
Terphenyl-d14 (Surr)	79		42 - 157	04/04/23 09:02	04/06/23 17:02	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Barium	0.61		0.50	0.050	mg/L		03/31/23 18:28	04/03/23 21:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:28	04/03/23 21:59	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		03/31/23 18:28	04/03/23 21:59	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Cobalt	0.020	J	0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:28	04/03/23 21:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:28	04/03/23 21:59	1
Manganese	3.5		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Nickel	0.055		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:28	04/03/23 21:59	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Zinc	0.020	J	0.50	0.020	mg/L		03/31/23 18:28	04/03/23 21:59	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.022	J	0.050	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Barium	0.28	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 20:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 20:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 20:09	1
Chromium	0.067		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Cobalt	0.013	J	0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Copper	0.057		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Iron	61		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 20:09	1
Lead	0.028		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 20:09	1
Manganese	0.25		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Nickel	0.055		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 20:09	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(10-15)-032723

Lab Sample ID: 500-231292-6

Date Collected: 03/27/23 14:35

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 82.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Zinc	0.14	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 20:09	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		12	4.9	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Antimony	0.36	J	1.2	0.23	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Arsenic	7.3		0.60	0.20	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Barium	72		0.60	0.068	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Beryllium	0.84		0.24	0.056	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Cadmium	0.20		0.12	0.022	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Calcium	60000	B	60	10	mg/Kg	☆	04/03/23 10:36	04/05/23 14:08	5
Chromium	18		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Cobalt	10		0.30	0.078	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Copper	22		0.60	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Iron	20000		12	6.2	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Lead	15		0.30	0.14	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Magnesium	24000		6.0	3.0	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Manganese	330		0.60	0.087	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Nickel	27		0.60	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Potassium	2500		30	11	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Selenium	<0.60		0.60	0.35	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Silver	0.29	J	0.30	0.077	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Sodium	340		60	8.9	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Vanadium	26		0.30	0.071	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Zinc	58		1.2	0.53	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:36	1

Method: SW846 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		03/31/23 17:00	04/03/23 11:01	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.019	0.0098	mg/Kg	☆	03/30/23 16:50	03/31/23 08:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			03/29/23 18:03	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-17(0-5)-032723

Lab Sample ID: 500-231292-10

Date Collected: 03/27/23 15:15

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 90.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0065	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Carbon disulfide	<0.0037		0.0037	0.00078	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Chloroethane	<0.0037	*	0.0037	0.0011	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0017	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☆	03/28/23 16:48	04/03/23 19:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		75 - 131	03/28/23 16:48	04/03/23 19:07	1
Dibromofluoromethane (Surr)	122		75 - 126	03/28/23 16:48	04/03/23 19:07	1
1,2-Dichloroethane-d4 (Surr)	122		70 - 134	03/28/23 16:48	04/03/23 19:07	1
Toluene-d8 (Surr)	123		75 - 124	03/28/23 16:48	04/03/23 19:07	1

Method: SW846 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	☆	04/04/23 09:02	04/06/23 18:22	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☆	04/04/23 09:02	04/06/23 18:22	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☆	04/04/23 09:02	04/06/23 18:22	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☆	04/04/23 09:02	04/06/23 18:22	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☆	04/04/23 09:02	04/06/23 18:22	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-17(0-5)-032723

Lab Sample ID: 500-231292-10

Date Collected: 03/27/23 15:15

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 90.6

Method: SW846 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	✳	04/04/23 09:02	04/06/23 18:22	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Benzo[b]fluoranthene	<0.036		0.036	0.0079	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Carbazole	<0.18		0.18	0.091	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	✳	04/04/23 09:02	04/06/23 18:22	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-17(0-5)-032723

Lab Sample ID: 500-231292-10

Date Collected: 03/27/23 15:15

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 90.6

Method: SW846 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	☼	04/04/23 09:02	04/06/23 18:22	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	04/04/23 09:02	04/06/23 18:22	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	04/04/23 09:02	04/06/23 18:22	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	04/04/23 09:02	04/06/23 18:22	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	04/04/23 09:02	04/06/23 18:22	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	04/04/23 09:02	04/06/23 18:22	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	04/04/23 09:02	04/06/23 18:22	1
Phenanthrene	0.024	J	0.036	0.0051	mg/Kg	☼	04/04/23 09:02	04/06/23 18:22	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	04/04/23 09:02	04/06/23 18:22	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	04/04/23 09:02	04/06/23 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	53		31 - 143	04/04/23 09:02	04/06/23 18:22	1
2-Fluorobiphenyl (Surr)	65		43 - 145	04/04/23 09:02	04/06/23 18:22	1
2-Fluorophenol (Surr)	61		31 - 166	04/04/23 09:02	04/06/23 18:22	1
Nitrobenzene-d5 (Surr)	68		37 - 147	04/04/23 09:02	04/06/23 18:22	1
Phenol-d5 (Surr)	63		30 - 153	04/04/23 09:02	04/06/23 18:22	1
Terphenyl-d14 (Surr)	78		42 - 157	04/04/23 09:02	04/06/23 18:22	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:28	04/03/23 21:33	1
Barium	0.25	J	0.50	0.050	mg/L		03/31/23 18:28	04/03/23 21:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:28	04/03/23 21:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:28	04/03/23 21:33	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:33	1
Cobalt	0.044		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:33	1
Copper	0.012	J B	0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:33	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:28	04/03/23 21:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:28	04/03/23 21:33	1
Manganese	2.4		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:33	1
Nickel	0.051		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:33	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:28	04/03/23 21:33	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:33	1
Zinc	<0.50		0.50	0.020	mg/L		03/31/23 18:28	04/03/23 21:33	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:30	04/03/23 20:28	1
Barium	<0.50		0.50	0.050	mg/L		03/31/23 18:30	04/03/23 20:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 20:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 20:28	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:28	1
Cobalt	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:28	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:28	1
Iron	0.33	J	0.40	0.20	mg/L		03/31/23 18:30	04/03/23 20:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 20:28	1
Manganese	0.013	J	0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:28	1
Nickel	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:28	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 20:28	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-17(0-5)-032723

Lab Sample ID: 500-231292-10

Date Collected: 03/27/23 15:15

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 90.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:28	1
Zinc	<0.50		0.50	0.020	mg/L		03/31/23 18:30	04/03/23 20:28	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6500		11	4.5	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Antimony	0.39	J	1.1	0.21	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Arsenic	7.0		0.54	0.19	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Barium	19		2.7	0.31	mg/Kg	☆	04/03/23 10:36	04/05/23 14:17	5
Beryllium	0.58		0.22	0.051	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Cadmium	0.23		0.11	0.020	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Calcium	91000	B	54	9.2	mg/Kg	☆	04/03/23 10:36	04/05/23 14:17	5
Chromium	10		0.54	0.27	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Cobalt	10		0.27	0.071	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Copper	21		0.54	0.15	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Iron	17000		54	28	mg/Kg	☆	04/03/23 10:36	04/05/23 14:17	5
Lead	12		0.27	0.13	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Magnesium	51000		27	14	mg/Kg	☆	04/03/23 10:36	04/05/23 14:17	5
Manganese	320		0.54	0.079	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Nickel	22		0.54	0.16	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Potassium	2200		27	9.6	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Selenium	<0.54		0.54	0.32	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Silver	0.13	J	0.27	0.070	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Sodium	420		54	8.1	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Thallium	<0.54		0.54	0.27	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Vanadium	13		0.27	0.064	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1
Zinc	86		1.1	0.48	mg/Kg	☆	04/03/23 10:36	04/05/23 00:55	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 14:18	1

Method: SW846 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		03/31/23 17:00	04/03/23 11:13	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.017	0.0090	mg/Kg	☆	03/30/23 16:50	03/31/23 08:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.2	0.2	SU			03/29/23 15:29	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-16(0-5)-032723

Lab Sample ID: 500-231292-11

Date Collected: 03/27/23 15:30

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0064	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Carbon disulfide	<0.0037		0.0037	0.00077	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Chlorobenzene	<0.0015		0.0015	0.00054	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Chloroethane	<0.0037	*	0.0037	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Ethylbenzene	<0.0015		0.0015	0.00071	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0016	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00065	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Vinyl chloride	<0.0015		0.0015	0.00065	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1
Xylenes, Total	<0.0030		0.0030	0.00047	mg/Kg	☼	03/28/23 16:48	04/03/23 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		75 - 131	03/28/23 16:48	04/03/23 19:32	1
Dibromofluoromethane (Surr)	126		75 - 126	03/28/23 16:48	04/03/23 19:32	1
1,2-Dichloroethane-d4 (Surr)	130		70 - 134	03/28/23 16:48	04/03/23 19:32	1
Toluene-d8 (Surr)	125	S1+	75 - 124	03/28/23 16:48	04/03/23 19:32	1

Method: SW846 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	☼	04/04/23 09:02	04/04/23 19:44	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-16(0-5)-032723

Lab Sample ID: 500-231292-11

Date Collected: 03/27/23 15:30

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.9

Method: SW846 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	☼	04/04/23 09:02	04/04/23 19:44	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
2-Methylnaphthalene	<0.083		0.083	0.0075	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Benzo[a]pyrene	<0.041		0.041	0.0079	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-16(0-5)-032723

Lab Sample ID: 500-231292-11

Date Collected: 03/27/23 15:30

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.9

Method: SW846 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	☼	04/04/23 09:02	04/04/23 19:44	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Phenanthrene	<0.041		0.041	0.0057	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1
Pyrene	<0.041		0.041	0.0082	mg/Kg	☼	04/04/23 09:02	04/04/23 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	58		31 - 143	04/04/23 09:02	04/04/23 19:44	1
2-Fluorobiphenyl (Surr)	52		43 - 145	04/04/23 09:02	04/04/23 19:44	1
2-Fluorophenol (Surr)	56		31 - 166	04/04/23 09:02	04/04/23 19:44	1
Nitrobenzene-d5 (Surr)	52		37 - 147	04/04/23 09:02	04/04/23 19:44	1
Phenol-d5 (Surr)	60		30 - 153	04/04/23 09:02	04/04/23 19:44	1
Terphenyl-d14 (Surr)	72		42 - 157	04/04/23 09:02	04/04/23 19:44	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		03/31/23 18:28	04/03/23 21:36	1
Barium	0.93		0.50	0.050	mg/L		03/31/23 18:28	04/03/23 21:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:28	04/03/23 21:36	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		03/31/23 18:28	04/03/23 21:36	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:36	1
Cobalt	0.030		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:36	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:36	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:28	04/03/23 21:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:28	04/03/23 21:36	1
Manganese	8.2		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:36	1
Nickel	0.028		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:36	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:28	04/03/23 21:36	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:36	1
Zinc	<0.50		0.50	0.020	mg/L		03/31/23 18:28	04/03/23 21:36	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.15	F1	0.050	0.010	mg/L		03/31/23 18:30	04/03/23 20:32	1
Barium	0.87		0.50	0.050	mg/L		03/31/23 18:30	04/03/23 20:32	1
Beryllium	0.013		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 20:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 20:32	1
Chromium	0.26		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:32	1
Cobalt	0.13		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:32	1
Copper	0.36	F1	0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:32	1
Iron	310		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 20:32	1
Lead	0.15		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 20:32	1
Manganese	2.3		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:32	1
Nickel	0.39		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:32	1
Selenium	<0.050	F1	0.050	0.020	mg/L		03/31/23 18:30	04/03/23 20:32	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-16(0-5)-032723

Lab Sample ID: 500-231292-11

Date Collected: 03/27/23 15:30

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:32	1
Zinc	0.80		0.50	0.020	mg/L		03/31/23 18:30	04/03/23 20:32	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		12	4.8	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Antimony	0.39	J	1.2	0.23	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Arsenic	6.9		0.59	0.20	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Barium	69		0.59	0.067	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Beryllium	0.84		0.24	0.055	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Cadmium	0.21		0.12	0.021	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Calcium	64000	B	59	10	mg/Kg	☆	04/03/23 10:36	04/05/23 14:20	5
Chromium	17		0.59	0.29	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Cobalt	12		0.29	0.077	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Copper	19		0.59	0.16	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Iron	19000		12	6.1	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Lead	14		0.29	0.14	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Magnesium	27000		5.9	2.9	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Manganese	400		0.59	0.085	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Nickel	30		0.59	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Potassium	2500		29	10	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Selenium	<0.59		0.59	0.35	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Silver	0.32		0.29	0.076	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Sodium	1500		59	8.7	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Thallium	<0.59		0.59	0.29	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Vanadium	24		0.29	0.069	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1
Zinc	60		1.2	0.52	mg/Kg	☆	04/03/23 10:36	04/05/23 00:59	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 14:20	1

Method: SW846 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		03/31/23 17:00	04/03/23 11:15	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.037		0.019	0.010	mg/Kg	☆	03/30/23 16:50	03/31/23 08:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7		0.2	0.2	SU			03/29/23 18:13	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	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.

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 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.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record 640962



Environment Testing
America

Address _____



500-231292 COC

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>A. Slesare</u>		Site Contact: <u>C. Ponce</u>		Date: <u>3-27-23</u>		COC No	
Company Name: <u>Weston Solutions</u>		Tel/Email		Lab Contact: <u>R. Wright</u>		Carrier		3 of 4 COCs	
Address: <u>300 Kirtland Bridge Pkwy</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____		Filtered Sample (Y/N)		Perform MS/MSD (Y/N)		Sampler	
City/State/Zip: <u>Lincolnshire, IL</u>									
Phone		<input type="checkbox"/> 2 weeks		VOCs		SVOCs		Walk-in Client.	
Fax		<input type="checkbox"/> 1 week						Total Metals	
Project Name: <u>IDOT I-80 051</u>		<input type="checkbox"/> 2 days		TCUP/SPLP/metals		pH		Job / SDG No	
Site: <u>I-80</u>		<input type="checkbox"/> 1 day						500-231292	
P O #								Sample Specific Notes	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sampler
1	ROW-12 (10-15) -032723	3/27/23	1355	G	S	6			
2	ROW-12 (15-18) -032723		1400						
3	ROW-13 (0-5) -032723		1425						
4	ROW-13 (0-5) -032723D		1425						
5	ROW-13 (5-10) -032723		1430						
6	ROW-13 (10-15) -032723		1435						
7	ROW-14 (0-5) -032723		1450						
8	ROW-14 (5-10) -032723		1455						
9	ROW-14 (10-15) -032723		1500						
10	ROW-17 (0-5) -032723		1515						
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments: 4.1-3.0, 2.6-1.5									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd		Corr'd		Therm ID No	
Relinquished by: <u>[Signature]</u>		Company: <u>NS</u>		Date/Time: <u>3-27-23 1515</u>		Received by: <u>[Signature]</u>		Company: <u>EETA</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>3/27/23 1650</u>		Received by: <u>[Signature]</u>		Company: <u>EETA</u>	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:		Company:	



Chain of Custody Record 640942



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other:

TAL-8210

Client Contact	Project Manager <i>A. Sleevers</i>	Site Contact <i>C. Ponce</i>	Date <i>3/27/23</i>	COC No <i>4 of 4</i> COCs											
Company Name <i>Weston Solutions</i>	Tel/Email.	Lab Contact <i>R. Wright</i>	Carrier:												
Address <i>300 Knightsbridge Pkwy</i>	Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS/MSD (Y/N)												
City/State/Zip <i>Channahon, IL</i>															
Phone	<table border="1" style="width: 100%; height: 200px;"> <tr> <td>VOCS</td> <td>SVOCs</td> <td>Total Metals</td> <td>TICP/SRP/MTBSTX</td> <td>PH</td> </tr> <tr> <td>Y</td> <td>Y</td> <td>Y</td> <td>Y</td> <td>Y</td> </tr> </table>					VOCS	SVOCs	Total Metals	TICP/SRP/MTBSTX	PH	Y	Y	Y	Y	Y
VOCS						SVOCs	Total Metals	TICP/SRP/MTBSTX	PH						
Y						Y	Y	Y	Y						
Fax.															
Project Name <i>IDOT 051</i>															
Site <i>I-80</i>	For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/> Job / SDG No <i>500-231292</i>														
P O #															
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp G=Grab)	Matrix	# of Cont.	Sample Specific Notes									
<i>ROW-16(0-5)-039703</i>	<i>3/27/23</i>	<i>1530</i>	<i>6</i>	<i>S</i>	<i>6</i>										
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other															
Possible Hazard Identification. Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)												
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown			<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months												
Special Instructions/QC Requirements & Comments:															
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____	Cooler Temp (°C) Obs'd _____	Corr'd _____	Therm ID No _____										
Relinquished by: <i>[Signature]</i>	Company <i>WS</i>	Date/Time <i>3/27/23 1548</i>	Received by: <i>[Signature]</i>	Company <i>ETA</i>	Date/Time <i>3/27/23 1548</i>										
Relinquished by: <i>[Signature]</i>	Company <i>ETA</i>	Date/Time <i>3/27/23 1650</i>	Received by: <i>[Signature]</i>	Company	Date/Time <i>3/27/23 1650</i>										
Relinquished by:	Company	Date/Time	Received in Laboratory by	Company	Date/Time										



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/12/2023 10:27:30 AM Revision 1

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231293-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231293-1	Row-1(0-5)-032723	Solid	03/27/23 09:30	03/27/23 16:50
500-231293-2	Row-1(0-5)-032723D	Solid	03/27/23 09:30	03/27/23 16:50
500-231293-3	Row-2(0-5)-032723	Solid	03/27/23 09:50	03/27/23 16:50
500-231293-4	Row-2(5-10)-032723	Solid	03/27/23 09:55	03/27/23 16:50
500-231293-5	Row-3(0-5)-032723	Solid	03/27/23 10:10	03/27/23 16:50
500-231293-6	Row-3-032723	Water	03/27/23 10:30	03/27/23 16:50
500-231293-7	Trip Blank	Water	03/27/23 00:00	03/27/23 16:50
500-231293-8	Row-4(0-5)-032723	Solid	03/27/23 10:50	03/27/23 16:50
500-231293-9	Row-5(0-5)-032723	Solid	03/27/23 11:10	03/27/23 16:50
500-231293-10	DR-3(0-5)-032723	Solid	03/27/23 11:40	03/27/23 16:50
500-231293-11	DR-3(5-10)-032723	Solid	03/27/23 11:45	03/27/23 16:50
500-231293-12	DR-6(0-5)-032723	Solid	03/27/23 12:10	03/27/23 16:50
500-231293-13	DR-6(5-10)-032723	Solid	03/27/23 12:15	03/27/23 16:50
500-231293-14	Row-6(0-5)-032723	Solid	03/27/23 12:35	03/27/23 16:50
500-231293-15	Row-6(0-5)-032723D	Solid	03/27/23 12:35	03/27/23 16:50
500-231293-16	Row-7(0-5)-032723	Solid	03/27/23 13:00	03/27/23 16:50
500-231293-17	Row-7(5-10)-032723	Solid	03/27/23 13:05	03/27/23 16:50
500-231293-18	Row-10(0-5)-032723	Solid	03/27/23 13:20	03/27/23 16:50
500-231293-19	Row-12(0-5)-032723	Solid	03/27/23 13:45	03/27/23 16:50
500-231293-20	Row-12(5-10)-032723	Solid	03/27/23 13:50	03/27/23 16:50



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-3(0-5)-032723

Lab Sample ID: 500-231293-5

Date Collected: 03/27/23 10:10

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0074	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Chloroethane	<0.0042	*	0.0042	0.0013	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☆	03/28/23 16:48	04/03/23 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		75 - 131	03/28/23 16:48	04/03/23 21:35	1
Dibromofluoromethane (Surr)	101		75 - 126	03/28/23 16:48	04/03/23 21:35	1
1,2-Dichloroethane-d4 (Surr)	119		70 - 134	03/28/23 16:48	04/03/23 21:35	1
Toluene-d8 (Surr)	106		75 - 124	03/28/23 16:48	04/03/23 21:35	1

Method: SW846 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	☆	04/04/23 07:31	04/04/23 19:30	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	04/04/23 07:31	04/04/23 19:30	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	04/04/23 07:31	04/04/23 19:30	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☆	04/04/23 07:31	04/04/23 19:30	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☆	04/04/23 07:31	04/04/23 19:30	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-3(0-5)-032723

Lab Sample ID: 500-231293-5

Date Collected: 03/27/23 10:10

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.0

Method: SW846 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	✱	04/04/23 07:31	04/04/23 19:30	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
2,4-Dinitrophenol	<0.81		0.81	0.70	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Carbazole	<0.20		0.20	0.10	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Chrysene	<0.040		0.040	0.011	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	✱	04/04/23 07:31	04/04/23 19:30	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-3(0-5)-032723

Lab Sample ID: 500-231293-5

Date Collected: 03/27/23 10:10

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.0

Method: SW846 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	☼	04/04/23 07:31	04/04/23 19:30	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	04/04/23 07:31	04/04/23 19:30	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	04/04/23 07:31	04/04/23 19:30	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	04/04/23 07:31	04/04/23 19:30	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	04/04/23 07:31	04/04/23 19:30	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/04/23 07:31	04/04/23 19:30	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	04/04/23 07:31	04/04/23 19:30	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	04/04/23 07:31	04/04/23 19:30	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	04/04/23 07:31	04/04/23 19:30	1
Pyrene	<0.040		0.040	0.0079	mg/Kg	☼	04/04/23 07:31	04/04/23 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	72		31 - 143	04/04/23 07:31	04/04/23 19:30	1
2-Fluorobiphenyl (Surr)	73		43 - 145	04/04/23 07:31	04/04/23 19:30	1
2-Fluorophenol (Surr)	69		31 - 166	04/04/23 07:31	04/04/23 19:30	1
Nitrobenzene-d5 (Surr)	67		37 - 147	04/04/23 07:31	04/04/23 19:30	1
Phenol-d5 (Surr)	68		30 - 153	04/04/23 07:31	04/04/23 19:30	1
Terphenyl-d14 (Surr)	86		42 - 157	04/04/23 07:31	04/04/23 19:30	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:26	04/03/23 23:19	1
Barium	0.24	J	0.50	0.050	mg/L		03/31/23 18:26	04/03/23 23:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:26	04/03/23 23:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:26	04/03/23 23:19	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:19	1
Cobalt	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:19	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:19	1
Iron	0.46		0.40	0.20	mg/L		03/31/23 18:26	04/03/23 23:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:26	04/03/23 23:19	1
Manganese	0.59		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:19	1
Nickel	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:19	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:26	04/03/23 23:19	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:19	1
Zinc	<0.50		0.50	0.020	mg/L		03/31/23 18:26	04/03/23 23:19	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.016	J	0.050	0.010	mg/L		03/31/23 18:30	04/03/23 21:10	1
Barium	0.18	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 21:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 21:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 21:10	1
Chromium	0.048		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:10	1
Cobalt	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:10	1
Copper	0.036		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:10	1
Iron	53		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 21:10	1
Lead	0.018		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 21:10	1
Manganese	0.22		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:10	1
Nickel	0.028		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:10	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 21:10	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-3(0-5)-032723

Lab Sample ID: 500-231293-5

Date Collected: 03/27/23 10:10

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.0

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:10	1
Zinc	0.12	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 21:10	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		12	4.7	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Antimony	0.50	J	1.2	0.22	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Arsenic	7.7		0.58	0.20	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Barium	69		0.58	0.066	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Beryllium	0.86		0.23	0.054	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Cadmium	0.14		0.12	0.021	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Calcium	19000		12	2.0	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Chromium	15		0.58	0.29	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Cobalt	9.4		0.29	0.075	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Copper	18		0.58	0.16	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Iron	20000		12	6.0	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Lead	16		0.29	0.13	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Magnesium	14000		5.8	2.9	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Manganese	500		0.58	0.084	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Nickel	25		0.58	0.17	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Potassium	1100		29	10	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Silver	0.43		0.29	0.074	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Sodium	89		58	8.5	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Vanadium	26		0.29	0.068	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1
Zinc	43		1.2	0.51	mg/Kg	☆	04/03/23 10:34	04/04/23 22:47	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 12:50	1

Method: SW846 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00090		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 12:01	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046		0.019	0.010	mg/Kg	☆	03/30/23 16:50	03/31/23 06:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.2	0.2	SU			04/03/23 14:33	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-4(0-5)-032723

Lab Sample ID: 500-231293-8

Date Collected: 03/27/23 10:50

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0074	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Chloroethane	<0.0043	*	0.0043	0.0013	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	03/28/23 16:48	04/03/23 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		75 - 131	03/28/23 16:48	04/03/23 22:00	1
Dibromofluoromethane (Surr)	120		75 - 126	03/28/23 16:48	04/03/23 22:00	1
1,2-Dichloroethane-d4 (Surr)	126		70 - 134	03/28/23 16:48	04/03/23 22:00	1
Toluene-d8 (Surr)	122		75 - 124	03/28/23 16:48	04/03/23 22:00	1

Method: SW846 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	☼	04/04/23 07:31	04/04/23 19:55	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	04/04/23 07:31	04/04/23 19:55	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	04/04/23 07:31	04/04/23 19:55	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	04/04/23 07:31	04/04/23 19:55	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	04/04/23 07:31	04/04/23 19:55	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-4(0-5)-032723

Lab Sample ID: 500-231293-8

Date Collected: 03/27/23 10:50

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.2

Method: SW846 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	✳	04/04/23 07:31	04/04/23 19:55	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Benzo[a]anthracene	0.017	J	0.037	0.0050	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Benzo[a]pyrene	0.044		0.037	0.0073	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Benzo[b]fluoranthene	0.046		0.037	0.0081	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Benzo[g,h,i]perylene	0.014	J	0.037	0.012	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Chrysene	<0.037		0.037	0.010	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Fluoranthene	0.014	J	0.037	0.0070	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	04/04/23 07:31	04/04/23 19:55	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-4(0-5)-032723

Lab Sample ID: 500-231293-8

Date Collected: 03/27/23 10:50

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.029	J	0.037	0.0097	mg/Kg	☼	04/04/23 07:31	04/04/23 19:55	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/04/23 07:31	04/04/23 19:55	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	04/04/23 07:31	04/04/23 19:55	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	04/04/23 07:31	04/04/23 19:55	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/04/23 07:31	04/04/23 19:55	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	04/04/23 07:31	04/04/23 19:55	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	04/04/23 07:31	04/04/23 19:55	1
Phenanthrene	0.0080	J	0.037	0.0052	mg/Kg	☼	04/04/23 07:31	04/04/23 19:55	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	04/04/23 07:31	04/04/23 19:55	1
Pyrene	0.014	J	0.037	0.0074	mg/Kg	☼	04/04/23 07:31	04/04/23 19:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol (Surr)</i>	83		31 - 143				04/04/23 07:31	04/04/23 19:55	1
<i>2-Fluorobiphenyl (Surr)</i>	77		43 - 145				04/04/23 07:31	04/04/23 19:55	1
<i>2-Fluorophenol (Surr)</i>	73		31 - 166				04/04/23 07:31	04/04/23 19:55	1
<i>Nitrobenzene-d5 (Surr)</i>	74		37 - 147				04/04/23 07:31	04/04/23 19:55	1
<i>Phenol-d5 (Surr)</i>	72		30 - 153				04/04/23 07:31	04/04/23 19:55	1
<i>Terphenyl-d14 (Surr)</i>	92		42 - 157				04/04/23 07:31	04/04/23 19:55	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:26	04/04/23 00:02	1
Barium	0.14	J	0.50	0.050	mg/L		03/31/23 18:26	04/04/23 00:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:26	04/04/23 00:02	1
Cadmium	0.0034	J	0.0050	0.0020	mg/L		03/31/23 18:26	04/04/23 00:02	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:02	1
Cobalt	0.059		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:02	1
Copper	0.010	J	0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:02	1
Iron	4.6		0.40	0.20	mg/L		03/31/23 18:26	04/04/23 00:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:26	04/04/23 00:02	1
Manganese	3.3	B	0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:02	1
Nickel	0.060		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:02	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:26	04/04/23 00:02	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:02	1
Zinc	0.048	J B	0.50	0.020	mg/L		03/31/23 18:26	04/04/23 00:02	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.023	J	0.050	0.010	mg/L		03/31/23 18:30	04/03/23 21:14	1
Barium	0.11	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 21:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 21:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 21:14	1
Chromium	0.043		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:14	1
Cobalt	0.016	J	0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:14	1
Copper	0.056		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:14	1
Iron	49		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 21:14	1
Lead	0.029		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 21:14	1
Manganese	0.21		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:14	1
Nickel	0.048		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:14	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 21:14	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-4(0-5)-032723

Lab Sample ID: 500-231293-8

Date Collected: 03/27/23 10:50

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.2

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:14	1
Zinc	0.14	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 21:14	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7000		12	4.9	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Antimony	0.39	J	1.2	0.23	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Arsenic	7.3		0.59	0.20	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Barium	43		3.0	0.34	mg/Kg	☆	04/03/23 10:34	04/05/23 14:58	5
Beryllium	0.61		0.24	0.055	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Cadmium	0.23		0.12	0.021	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Calcium	92000		59	10	mg/Kg	☆	04/03/23 10:34	04/05/23 14:58	5
Chromium	9.8		0.59	0.29	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Cobalt	9.1		0.30	0.078	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Copper	17		0.59	0.17	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Iron	18000		59	31	mg/Kg	☆	04/03/23 10:34	04/05/23 14:58	5
Lead	16		0.30	0.14	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Magnesium	52000		30	15	mg/Kg	☆	04/03/23 10:34	04/05/23 14:58	5
Manganese	420		0.59	0.086	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Nickel	20		0.59	0.17	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Potassium	1400		30	11	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Selenium	<0.59		0.59	0.35	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Silver	0.16	J	0.30	0.077	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Sodium	140		59	8.8	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Thallium	<0.59		0.59	0.30	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Vanadium	17		0.30	0.070	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1
Zinc	50		1.2	0.52	mg/Kg	☆	04/03/23 10:34	04/04/23 22:50	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 13:13	1

Method: SW846 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		04/03/23 14:55	04/04/23 12:03	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0097	mg/Kg	☆	03/30/23 16:50	03/31/23 07:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/03/23 14:38	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-5(0-5)-032723

Lab Sample ID: 500-231293-9

Date Collected: 03/27/23 11:10

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 85.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0063	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Benzene	<0.0015		0.0015	0.00037	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Bromoform	<0.0015		0.0015	0.00042	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Bromomethane	<0.0036		0.0036	0.0014	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Carbon disulfide	<0.0036		0.0036	0.00076	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Carbon tetrachloride	<0.0015		0.0015	0.00042	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Chlorobenzene	<0.0015		0.0015	0.00054	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Chloroethane	<0.0036	*	0.0036	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Chloroform	<0.0015		0.0015	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Chloromethane	<0.0036		0.0036	0.0015	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00044	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Dibromochloromethane	<0.0015		0.0015	0.00047	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
1,1-Dichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
1,1-Dichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00051	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Ethylbenzene	<0.0015		0.0015	0.00069	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Styrene	<0.0015		0.0015	0.00044	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00046	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Tetrachloroethene	<0.0015		0.0015	0.00049	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00064	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00051	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00049	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00062	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Trichloroethene	<0.0015		0.0015	0.00049	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Vinyl chloride	<0.0015		0.0015	0.00064	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1
Xylenes, Total	<0.0029		0.0029	0.00046	mg/Kg	☼	03/28/23 16:48	04/03/23 22:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		75 - 131	03/28/23 16:48	04/03/23 22:24	1
Dibromofluoromethane (Surr)	118		75 - 126	03/28/23 16:48	04/03/23 22:24	1
1,2-Dichloroethane-d4 (Surr)	124		70 - 134	03/28/23 16:48	04/03/23 22:24	1
Toluene-d8 (Surr)	122		75 - 124	03/28/23 16:48	04/03/23 22:24	1

Method: SW846 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	☼	04/04/23 07:31	04/04/23 21:10	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	04/04/23 07:31	04/04/23 21:10	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	04/04/23 07:31	04/04/23 21:10	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	04/04/23 07:31	04/04/23 21:10	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	04/04/23 07:31	04/04/23 21:10	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-5(0-5)-032723

Lab Sample ID: 500-231293-9

Date Collected: 03/27/23 11:10

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 85.7

Method: SW846 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	✳	04/04/23 07:31	04/04/23 21:10	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
2,4-Dinitrophenol	<0.77		0.77	0.68	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
2-Methylnaphthalene	0.014	J	0.077	0.0071	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
4-Nitrophenol	<0.77		0.77	0.37	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Benzo[a]anthracene	0.026	J	0.038	0.0052	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Benzo[a]pyrene	0.051		0.038	0.0074	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Benzo[b]fluoranthene	0.055		0.038	0.0083	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Benzo[g,h,i]perylene	0.018	J	0.038	0.012	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Bis(2-ethylhexyl) phthalate	0.16	J	0.19	0.070	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Carbazole	<0.19		0.19	0.096	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Chrysene	0.016	J	0.038	0.010	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Fluoranthene	0.033	J	0.038	0.0071	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Fluorene	0.0077	J	0.038	0.0054	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	04/04/23 07:31	04/04/23 21:10	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-5(0-5)-032723

Lab Sample ID: 500-231293-9

Date Collected: 03/27/23 11:10

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 85.7

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.043		0.038	0.010	mg/Kg	☼	04/04/23 07:31	04/04/23 21:10	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/04/23 07:31	04/04/23 21:10	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/04/23 07:31	04/04/23 21:10	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	04/04/23 07:31	04/04/23 21:10	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	04/04/23 07:31	04/04/23 21:10	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/04/23 07:31	04/04/23 21:10	1
Pentachlorophenol	<0.77		0.77	0.62	mg/Kg	☼	04/04/23 07:31	04/04/23 21:10	1
Phenanthrene	0.027	J	0.038	0.0054	mg/Kg	☼	04/04/23 07:31	04/04/23 21:10	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	04/04/23 07:31	04/04/23 21:10	1
Pyrene	0.032	J	0.038	0.0076	mg/Kg	☼	04/04/23 07:31	04/04/23 21:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	65		31 - 143				04/04/23 07:31	04/04/23 21:10	1
2-Fluorobiphenyl (Surr)	69		43 - 145				04/04/23 07:31	04/04/23 21:10	1
2-Fluorophenol (Surr)	61		31 - 166				04/04/23 07:31	04/04/23 21:10	1
Nitrobenzene-d5 (Surr)	60		37 - 147				04/04/23 07:31	04/04/23 21:10	1
Phenol-d5 (Surr)	64		30 - 153				04/04/23 07:31	04/04/23 21:10	1
Terphenyl-d14 (Surr)	79		42 - 157				04/04/23 07:31	04/04/23 21:10	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:26	04/03/23 23:23	1
Barium	0.34	J	0.50	0.050	mg/L		03/31/23 18:26	04/03/23 23:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:26	04/03/23 23:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:26	04/03/23 23:23	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:23	1
Cobalt	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:23	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:23	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:26	04/03/23 23:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:26	04/03/23 23:23	1
Manganese	2.3		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:23	1
Nickel	0.010	J	0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:23	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:26	04/03/23 23:23	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:23	1
Zinc	<0.50		0.50	0.020	mg/L		03/31/23 18:26	04/03/23 23:23	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.084		0.050	0.010	mg/L		03/31/23 18:30	04/03/23 21:17	1
Barium	0.37	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 21:17	1
Beryllium	0.0076		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 21:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 21:17	1
Chromium	0.14		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:17	1
Cobalt	0.067		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:17	1
Copper	0.24		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:17	1
Iron	190		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 21:17	1
Lead	0.11		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 21:17	1
Manganese	0.71		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:17	1
Nickel	0.19		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:17	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 21:17	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-5(0-5)-032723

Lab Sample ID: 500-231293-9

Date Collected: 03/27/23 11:10

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 85.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:17	1
Zinc	0.50		0.50	0.020	mg/L		03/31/23 18:30	04/03/23 21:17	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8800		11	4.7	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Antimony	0.40	J	1.1	0.22	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Arsenic	7.6		0.57	0.20	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Barium	33		2.9	0.33	mg/Kg	☆	04/03/23 10:34	04/05/23 15:01	5
Beryllium	0.71		0.23	0.053	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Cadmium	0.16		0.11	0.021	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Calcium	73000		57	9.7	mg/Kg	☆	04/03/23 10:34	04/05/23 15:01	5
Chromium	13		0.57	0.28	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Cobalt	12		0.29	0.075	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Copper	21		0.57	0.16	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Iron	20000		57	30	mg/Kg	☆	04/03/23 10:34	04/05/23 15:01	5
Lead	12		0.29	0.13	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Magnesium	41000		29	14	mg/Kg	☆	04/03/23 10:34	04/05/23 15:01	5
Manganese	340		0.57	0.083	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Nickel	28		0.57	0.17	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Potassium	2300		29	10	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Silver	0.19	J	0.29	0.074	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Sodium	780		57	8.5	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Thallium	0.38	J	0.57	0.29	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Vanadium	17		0.29	0.068	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1
Zinc	51		1.1	0.50	mg/Kg	☆	04/03/23 10:34	04/04/23 22:54	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 12:56	1

Method: SW846 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		04/03/23 14:55	04/04/23 12:09	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.018	0.0094	mg/Kg	☆	03/30/23 16:50	03/31/23 07:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.2	0.2	SU			04/03/23 14:41	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-3(0-5)-032723

Lab Sample ID: 500-231293-10

Date Collected: 03/27/23 11:40

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 86.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.014	J	0.016	0.0068	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Chloroethane	<0.0039	*-	0.0039	0.0012	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	75 - 131	03/28/23 16:48	04/03/23 22:49	1
Dibromofluoromethane (Surr)	108		75 - 126	03/28/23 16:48	04/03/23 22:49	1
1,2-Dichloroethane-d4 (Surr)	124		70 - 134	03/28/23 16:48	04/03/23 22:49	1
Toluene-d8 (Surr)	113		75 - 124	03/28/23 16:48	04/03/23 22:49	1

Method: SW846 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	☼	04/04/23 07:31	04/04/23 21:35	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-3(0-5)-032723

Lab Sample ID: 500-231293-10

Date Collected: 03/27/23 11:40

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 86.0

Method: SW846 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	✳	04/04/23 07:31	04/04/23 21:35	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Benzo[a]anthracene	0.020 J		0.038	0.0051	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Benzo[b]fluoranthene	0.041		0.038	0.0082	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Bis(2-ethylhexyl) phthalate	0.14 J		0.19	0.070	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Chrysene	0.012 J		0.038	0.010	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Fluoranthene	0.045		0.038	0.0071	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-3(0-5)-032723

Lab Sample ID: 500-231293-10

Date Collected: 03/27/23 11:40

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 86.0

Method: SW846 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	☼	04/04/23 07:31	04/04/23 21:35	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
Phenanthrene	0.0095	J	0.038	0.0053	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
Pyrene	0.041		0.038	0.0076	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	73		31 - 143				04/04/23 07:31	04/04/23 21:35	1
2-Fluorobiphenyl (Surr)	70		43 - 145				04/04/23 07:31	04/04/23 21:35	1
2-Fluorophenol (Surr)	69		31 - 166				04/04/23 07:31	04/04/23 21:35	1
Nitrobenzene-d5 (Surr)	68		37 - 147				04/04/23 07:31	04/04/23 21:35	1
Phenol-d5 (Surr)	71		30 - 153				04/04/23 07:31	04/04/23 21:35	1
Terphenyl-d14 (Surr)	90		42 - 157				04/04/23 07:31	04/04/23 21:35	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:26	04/03/23 23:26	1
Barium	0.51		0.50	0.050	mg/L		03/31/23 18:26	04/03/23 23:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:26	04/03/23 23:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:26	04/03/23 23:26	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:26	1
Cobalt	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:26	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:26	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:26	04/03/23 23:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:26	04/03/23 23:26	1
Manganese	2.6		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:26	1
Nickel	0.011	J	0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:26	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:26	04/03/23 23:26	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:26	1
Zinc	<0.50		0.50	0.020	mg/L		03/31/23 18:26	04/03/23 23:26	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		03/31/23 18:30	04/03/23 21:20	1
Barium	0.27	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 21:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 21:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 21:20	1
Chromium	0.066		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:20	1
Cobalt	0.029		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:20	1
Copper	0.055		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:20	1
Iron	52		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 21:20	1
Lead	0.031		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 21:20	1
Manganese	0.60		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:20	1
Nickel	0.072		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:20	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 21:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-3(0-5)-032723

Lab Sample ID: 500-231293-10

Date Collected: 03/27/23 11:40

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 86.0

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:20	1
Zinc	0.11	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 21:20	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		12	4.7	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Antimony	0.43	J	1.2	0.22	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Arsenic	6.8		0.58	0.20	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Barium	51		0.58	0.066	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Beryllium	0.91		0.23	0.054	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Cadmium	0.17		0.12	0.021	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Calcium	52000		58	9.8	mg/Kg	☆	04/03/23 10:34	04/05/23 15:04	5
Chromium	17		0.58	0.29	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Cobalt	16		0.29	0.076	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Copper	24		0.58	0.16	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Iron	20000		12	6.0	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Lead	16		0.29	0.13	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Magnesium	28000		5.8	2.9	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Manganese	380		0.58	0.084	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Nickel	36		0.58	0.17	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Potassium	2600		29	10	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Silver	0.25	J	0.29	0.074	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Sodium	650		58	8.5	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Thallium	0.65		0.58	0.29	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Vanadium	20		0.29	0.068	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Zinc	53		1.2	0.51	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 12:59	1

Method: SW846 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		04/03/23 14:55	04/04/23 12:11	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.018	0.0093	mg/Kg	☆	03/30/23 16:50	03/31/23 07:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/03/23 14:43	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-3(5-10)-032723

Lab Sample ID: 500-231293-11

Date Collected: 03/27/23 11:45

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 85.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.017		0.015	0.0067	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Carbon disulfide	<0.0038		0.0038	0.00080	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	✱	03/28/23 16:48	04/04/23 13:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		75 - 131	03/28/23 16:48	04/04/23 13:49	1
Dibromofluoromethane (Surr)	92		75 - 126	03/28/23 16:48	04/04/23 13:49	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	03/28/23 16:48	04/04/23 13:49	1
Toluene-d8 (Surr)	94		75 - 124	03/28/23 16:48	04/04/23 13:49	1

Method: SW846 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	✱	04/04/23 07:31	04/04/23 22:00	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	✱	04/04/23 07:31	04/04/23 22:00	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✱	04/04/23 07:31	04/04/23 22:00	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✱	04/04/23 07:31	04/04/23 22:00	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✱	04/04/23 07:31	04/04/23 22:00	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-3(5-10)-032723

Lab Sample ID: 500-231293-11

Date Collected: 03/27/23 11:45

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 85.4

Method: SW846 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	✳	04/04/23 07:31	04/04/23 22:00	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Benzo[a]anthracene	0.014	J	0.039	0.0052	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Benzo[a]pyrene	0.045		0.039	0.0075	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Benzo[b]fluoranthene	0.042		0.039	0.0084	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Bis(2-ethylhexyl) phthalate	0.15	J	0.20	0.071	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Fluoranthene	0.016	J	0.039	0.0072	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-3(5-10)-032723

Lab Sample ID: 500-231293-11

Date Collected: 03/27/23 11:45

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 85.4

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.027	J	0.039	0.010	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.048	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
Phenanthrene	0.013	J	0.039	0.0054	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
Pyrene	0.017	J	0.039	0.0077	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		31 - 143				04/04/23 07:31	04/04/23 22:00	1
2-Fluorobiphenyl (Surr)	81		43 - 145				04/04/23 07:31	04/04/23 22:00	1
2-Fluorophenol (Surr)	76		31 - 166				04/04/23 07:31	04/04/23 22:00	1
Nitrobenzene-d5 (Surr)	76		37 - 147				04/04/23 07:31	04/04/23 22:00	1
Phenol-d5 (Surr)	77		30 - 153				04/04/23 07:31	04/04/23 22:00	1
Terphenyl-d14 (Surr)	103		42 - 157				04/04/23 07:31	04/04/23 22:00	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		03/31/23 18:26	04/03/23 23:29	1
Barium	0.56		0.50	0.050	mg/L		03/31/23 18:26	04/03/23 23:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:26	04/03/23 23:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:26	04/03/23 23:29	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:29	1
Cobalt	0.021	J	0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:29	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:29	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:26	04/03/23 23:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:26	04/03/23 23:29	1
Manganese	2.9		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:29	1
Nickel	0.029		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:29	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:26	04/03/23 23:29	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:29	1
Zinc	<0.50		0.50	0.020	mg/L		03/31/23 18:26	04/03/23 23:29	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:30	04/03/23 21:23	1
Barium	0.070	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 21:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 21:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 21:23	1
Chromium	0.014	J	0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:23	1
Cobalt	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:23	1
Copper	0.011	J	0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:23	1
Iron	10		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 21:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 21:23	1
Manganese	0.10		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:23	1
Nickel	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:23	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 21:23	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-3(5-10)-032723

Lab Sample ID: 500-231293-11

Date Collected: 03/27/23 11:45

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 85.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:23	1
Zinc	0.025	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 21:23	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8200		11	4.5	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Antimony	0.49	J	1.1	0.21	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Arsenic	7.5		0.55	0.19	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Barium	47		2.8	0.31	mg/Kg	☆	04/03/23 10:34	04/05/23 15:08	5
Beryllium	0.69		0.22	0.052	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Cadmium	0.20		0.11	0.020	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Calcium	90000		55	9.4	mg/Kg	☆	04/03/23 10:34	04/05/23 15:08	5
Chromium	12		0.55	0.27	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Cobalt	10		0.28	0.072	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Copper	16		0.55	0.15	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Iron	21000		55	29	mg/Kg	☆	04/03/23 10:34	04/05/23 15:08	5
Lead	16		0.28	0.13	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Magnesium	39000		28	14	mg/Kg	☆	04/03/23 10:34	04/05/23 15:08	5
Manganese	420		0.55	0.080	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Nickel	23		0.55	0.16	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Potassium	2000		28	9.8	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Selenium	<0.55		0.55	0.32	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Silver	0.20	J	0.28	0.071	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Sodium	890		55	8.2	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Thallium	<0.55		0.55	0.28	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Vanadium	17		0.28	0.065	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Zinc	58		1.1	0.48	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 13:01	1

Method: SW846 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		04/03/23 14:55	04/04/23 12:13	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.010	mg/Kg	☆	03/30/23 16:50	03/31/23 07:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/03/23 14:46	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-6(0-5)-032723

Lab Sample ID: 500-231293-12

Date Collected: 03/27/23 12:10

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0096	J	0.016	0.0068	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	03/28/23 16:48	04/04/23 14:15	1
Dibromofluoromethane (Surr)	93		75 - 126	03/28/23 16:48	04/04/23 14:15	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/28/23 16:48	04/04/23 14:15	1
Toluene-d8 (Surr)	90		75 - 124	03/28/23 16:48	04/04/23 14:15	1

Method: SW846 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	☼	04/04/23 07:31	04/04/23 20:20	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-6(0-5)-032723

Lab Sample ID: 500-231293-12

Date Collected: 03/27/23 12:10

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.3

Method: SW846 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	✳	04/04/23 07:31	04/04/23 20:20	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-6(0-5)-032723

Lab Sample ID: 500-231293-12

Date Collected: 03/27/23 12:10

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.3

Method: SW846 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	☼	04/04/23 07:31	04/04/23 20:20	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
Pentachlorophenol	<0.79		0.79	0.62	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	73		31 - 143				04/04/23 07:31	04/04/23 20:20	1
2-Fluorobiphenyl (Surr)	72		43 - 145				04/04/23 07:31	04/04/23 20:20	1
2-Fluorophenol (Surr)	70		31 - 166				04/04/23 07:31	04/04/23 20:20	1
Nitrobenzene-d5 (Surr)	68		37 - 147				04/04/23 07:31	04/04/23 20:20	1
Phenol-d5 (Surr)	70		30 - 153				04/04/23 07:31	04/04/23 20:20	1
Terphenyl-d14 (Surr)	91		42 - 157				04/04/23 07:31	04/04/23 20:20	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:26	04/03/23 23:33	1
Barium	0.37	J	0.50	0.050	mg/L		03/31/23 18:26	04/03/23 23:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:26	04/03/23 23:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:26	04/03/23 23:33	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:33	1
Cobalt	0.016	J	0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:33	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:33	1
Iron	0.20	J	0.40	0.20	mg/L		03/31/23 18:26	04/03/23 23:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:26	04/03/23 23:33	1
Manganese	3.9		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:33	1
Nickel	0.019	J	0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:33	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:26	04/03/23 23:33	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:33	1
Zinc	<0.50		0.50	0.020	mg/L		03/31/23 18:26	04/03/23 23:33	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.090		0.050	0.010	mg/L		03/31/23 18:30	04/03/23 21:26	1
Barium	0.34	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 21:26	1
Beryllium	0.0079		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 21:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 21:26	1
Chromium	0.13		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:26	1
Cobalt	0.093		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:26	1
Copper	0.23		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:26	1
Iron	180		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 21:26	1
Lead	0.10		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 21:26	1
Manganese	1.5		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:26	1
Nickel	0.22		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:26	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 21:26	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-6(0-5)-032723

Lab Sample ID: 500-231293-12

Date Collected: 03/27/23 12:10

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:26	1
Zinc	0.46	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 21:26	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7400		12	4.8	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Antimony	0.28	J	1.2	0.23	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Arsenic	5.4		0.58	0.20	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Barium	64		0.58	0.067	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Beryllium	0.57		0.23	0.055	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Cadmium	0.25		0.12	0.021	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Calcium	92000		58	9.9	mg/Kg	☆	04/03/23 10:34	04/05/23 15:11	5
Chromium	10		0.58	0.29	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Cobalt	8.7		0.29	0.076	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Copper	14		0.58	0.16	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Iron	13000		12	6.1	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Lead	15		0.29	0.13	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Magnesium	27000		5.8	2.9	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Manganese	390		0.58	0.085	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Nickel	18		0.58	0.17	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Potassium	1300		29	10	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Silver	0.20	J	0.29	0.075	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Sodium	330		58	8.6	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Vanadium	16		0.29	0.069	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Zinc	48		1.2	0.51	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 13:03	1

Method: SW846 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		04/03/23 14:55	04/04/23 12:16	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.019	0.010	mg/Kg	☆	03/30/23 16:50	03/31/23 07:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			04/03/23 14:48	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-6(5-10)-032723

Lab Sample ID: 500-231293-13

Date Collected: 03/27/23 12:15

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0072	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Bromoform	<0.0017		0.0017	0.00048	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Bromomethane	<0.0041		0.0041	0.0016	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Carbon disulfide	<0.0041		0.0041	0.00086	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Chloroform	<0.0017		0.0017	0.00057	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Chloromethane	<0.0041		0.0041	0.0017	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00046	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Ethylbenzene	<0.0017		0.0017	0.00079	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00048	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Tetrachloroethene	<0.0017		0.0017	0.00056	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00073	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00055	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Vinyl chloride	<0.0017		0.0017	0.00073	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	03/28/23 16:48	04/04/23 14:40	1
Dibromofluoromethane (Surr)	90		75 - 126	03/28/23 16:48	04/04/23 14:40	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	03/28/23 16:48	04/04/23 14:40	1
Toluene-d8 (Surr)	91		75 - 124	03/28/23 16:48	04/04/23 14:40	1

Method: SW846 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	☆	04/04/23 07:31	04/04/23 20:45	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	04/04/23 07:31	04/04/23 20:45	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☆	04/04/23 07:31	04/04/23 20:45	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☆	04/04/23 07:31	04/04/23 20:45	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☆	04/04/23 07:31	04/04/23 20:45	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-6(5-10)-032723

Lab Sample ID: 500-231293-13

Date Collected: 03/27/23 12:15

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.2

Method: SW846 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	✳	04/04/23 07:31	04/04/23 20:45	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Acenaphthene	0.078		0.040	0.0073	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Anthracene	0.046		0.040	0.0068	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Benzo[a]anthracene	0.37		0.040	0.0055	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Benzo[a]pyrene	0.59		0.040	0.0079	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Benzo[b]fluoranthene	0.63		0.040	0.0088	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Benzo[g,h,i]perylene	0.54		0.040	0.013	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Benzo[k]fluoranthene	0.25		0.040	0.012	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Bis(2-ethylhexyl) phthalate	0.15 J		0.20	0.074	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Carbazole	<0.20		0.20	0.10	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Chrysene	0.45		0.040	0.011	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Dibenz(a,h)anthracene	0.14		0.040	0.0078	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Di-n-octyl phthalate	0.20		0.20	0.066	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Fluoranthene	0.55		0.040	0.0075	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Fluorene	0.024 J		0.040	0.0057	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-6(5-10)-032723

Lab Sample ID: 500-231293-13

Date Collected: 03/27/23 12:15

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.69		0.040	0.011	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
Phenanthrene	0.23		0.040	0.0057	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
Pyrene	0.58		0.040	0.0081	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	73		31 - 143				04/04/23 07:31	04/04/23 20:45	1
2-Fluorobiphenyl (Surr)	74		43 - 145				04/04/23 07:31	04/04/23 20:45	1
2-Fluorophenol (Surr)	65		31 - 166				04/04/23 07:31	04/04/23 20:45	1
Nitrobenzene-d5 (Surr)	65		37 - 147				04/04/23 07:31	04/04/23 20:45	1
Phenol-d5 (Surr)	69		30 - 153				04/04/23 07:31	04/04/23 20:45	1
Terphenyl-d14 (Surr)	86		42 - 157				04/04/23 07:31	04/04/23 20:45	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:26	04/04/23 00:05	1
Barium	0.41	J	0.50	0.050	mg/L		03/31/23 18:26	04/04/23 00:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:26	04/04/23 00:05	1
Cadmium	0.0032	J	0.0050	0.0020	mg/L		03/31/23 18:26	04/04/23 00:05	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:05	1
Cobalt	0.072		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:05	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:05	1
Iron	1.0		0.40	0.20	mg/L		03/31/23 18:26	04/04/23 00:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:26	04/04/23 00:05	1
Manganese	9.5	B	0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:05	1
Nickel	0.060		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:05	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:26	04/04/23 00:05	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:05	1
Zinc	0.024	J B	0.50	0.020	mg/L		03/31/23 18:26	04/04/23 00:05	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.038	J	0.050	0.010	mg/L		03/31/23 18:30	04/03/23 21:29	1
Barium	0.29	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 21:29	1
Beryllium	0.0048		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 21:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 21:29	1
Chromium	0.090		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:29	1
Cobalt	0.046		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:29	1
Copper	0.11		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:29	1
Iron	97		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 21:29	1
Lead	0.052		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 21:29	1
Manganese	0.87		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:29	1
Nickel	0.11		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:29	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 21:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-6(5-10)-032723

Lab Sample ID: 500-231293-13

Date Collected: 03/27/23 12:15

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.2

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:29	1
Zinc	0.22	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 21:29	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		12	4.8	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Antimony	0.72	J	1.2	0.23	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Arsenic	8.7		0.58	0.20	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Barium	64		0.58	0.066	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Beryllium	0.96		0.23	0.054	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Cadmium	0.18		0.12	0.021	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Calcium	58000		58	9.9	mg/Kg	☆	04/03/23 10:34	04/05/23 15:21	5
Chromium	18		0.58	0.29	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Cobalt	13		0.29	0.076	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Copper	22		0.58	0.16	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Iron	24000		12	6.1	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Lead	16		0.29	0.13	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Magnesium	28000		5.8	2.9	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Manganese	370		0.58	0.085	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Nickel	33		0.58	0.17	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Potassium	2800		29	10	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Silver	0.29		0.29	0.075	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Sodium	250		58	8.6	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Thallium	0.37	J	0.58	0.29	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Vanadium	24		0.29	0.069	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Zinc	60		1.2	0.51	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 13:16	1

Method: SW846 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		04/03/23 14:55	04/04/23 12:18	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.020	0.010	mg/Kg	☆	03/30/23 16:50	03/31/23 07:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/03/23 14:51	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-7(0-5)-032723

Lab Sample ID: 500-231293-16

Date Collected: 03/27/23 13:00

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 87.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0065	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Carbon disulfide	<0.0037		0.0037	0.00078	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0017	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☆	03/28/23 16:48	04/04/23 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131		75 - 131	03/28/23 16:48	04/04/23 15:57	1
Dibromofluoromethane (Surr)	97		75 - 126	03/28/23 16:48	04/04/23 15:57	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	03/28/23 16:48	04/04/23 15:57	1
Toluene-d8 (Surr)	98		75 - 124	03/28/23 16:48	04/04/23 15:57	1

Method: SW846 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	☆	04/04/23 07:31	04/04/23 22:25	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	04/04/23 07:31	04/04/23 22:25	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☆	04/04/23 07:31	04/04/23 22:25	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☆	04/04/23 07:31	04/04/23 22:25	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	04/04/23 07:31	04/04/23 22:25	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-7(0-5)-032723

Lab Sample ID: 500-231293-16

Date Collected: 03/27/23 13:00

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 87.5

Method: SW846 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	✳	04/04/23 07:31	04/04/23 22:25	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
2,4-Dichlorophenol	<0.37		0.37	0.090	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Benzo[a]anthracene	0.015	J	0.037	0.0051	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Benzo[g,h,i]perylene	0.025	J	0.037	0.012	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Chrysene	0.013	J	0.037	0.010	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	04/04/23 07:31	04/04/23 22:25	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-7(0-5)-032723

Lab Sample ID: 500-231293-16

Date Collected: 03/27/23 13:00

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 87.5

Method: SW846 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	☼	04/04/23 07:31	04/04/23 22:25	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/04/23 07:31	04/04/23 22:25	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	04/04/23 07:31	04/04/23 22:25	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	04/04/23 07:31	04/04/23 22:25	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/04/23 07:31	04/04/23 22:25	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/04/23 07:31	04/04/23 22:25	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/04/23 07:31	04/04/23 22:25	1
Phenanthrene	0.011	J	0.037	0.0053	mg/Kg	☼	04/04/23 07:31	04/04/23 22:25	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/04/23 07:31	04/04/23 22:25	1
Pyrene	0.0077	J	0.037	0.0075	mg/Kg	☼	04/04/23 07:31	04/04/23 22:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	75		31 - 143	04/04/23 07:31	04/04/23 22:25	1
2-Fluorobiphenyl (Surr)	79		43 - 145	04/04/23 07:31	04/04/23 22:25	1
2-Fluorophenol (Surr)	78		31 - 166	04/04/23 07:31	04/04/23 22:25	1
Nitrobenzene-d5 (Surr)	76		37 - 147	04/04/23 07:31	04/04/23 22:25	1
Phenol-d5 (Surr)	79		30 - 153	04/04/23 07:31	04/04/23 22:25	1
Terphenyl-d14 (Surr)	96		42 - 157	04/04/23 07:31	04/04/23 22:25	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:26	04/04/23 00:15	1
Barium	0.15	J	0.50	0.050	mg/L		03/31/23 18:26	04/04/23 00:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:26	04/04/23 00:15	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		03/31/23 18:26	04/04/23 00:15	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:15	1
Cobalt	0.13		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:15	1
Copper	0.011	J	0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:15	1
Iron	1.9		0.40	0.20	mg/L		03/31/23 18:26	04/04/23 00:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:26	04/04/23 00:15	1
Manganese	4.1	B	0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:15	1
Nickel	0.043		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:15	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:26	04/04/23 00:15	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:15	1
Zinc	0.039	J B	0.50	0.020	mg/L		03/31/23 18:26	04/04/23 00:15	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.044	J	0.050	0.010	mg/L		03/31/23 18:30	04/03/23 21:45	1
Barium	0.26	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 21:45	1
Beryllium	0.0067		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 21:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 21:45	1
Chromium	0.13		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:45	1
Cobalt	0.040		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:45	1
Copper	0.13		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:45	1
Iron	120		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 21:45	1
Lead	0.076		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 21:45	1
Manganese	0.48		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:45	1
Nickel	0.13		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:45	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 21:45	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-7(0-5)-032723

Lab Sample ID: 500-231293-16

Date Collected: 03/27/23 13:00

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 87.5

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:45	1
Zinc	0.31	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 21:45	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8300		11	4.6	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Antimony	0.45	J	1.1	0.22	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Arsenic	11		0.57	0.19	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Barium	24		0.57	0.065	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Beryllium	0.71		0.23	0.053	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Cadmium	0.15		0.11	0.020	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Calcium	66000		57	9.6	mg/Kg	☆	04/03/23 10:34	04/05/23 15:30	5
Chromium	13		0.57	0.28	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Cobalt	19		0.28	0.074	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Copper	28		0.57	0.16	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Iron	19000		11	5.9	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Lead	15		0.28	0.13	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Magnesium	33000		5.7	2.8	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Manganese	410		0.57	0.082	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Nickel	31		0.57	0.17	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Potassium	2300		28	10	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Selenium	0.39	J	0.57	0.33	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Silver	0.21	J	0.28	0.073	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Sodium	320		57	8.4	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Thallium	<0.57		0.57	0.28	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Vanadium	18		0.28	0.067	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1
Zinc	53		1.1	0.50	mg/Kg	☆	04/03/23 10:34	04/04/23 23:17	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 13:41	1

Method: SW846 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		04/03/23 14:55	04/04/23 12:24	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.018	0.0098	mg/Kg	☆	03/30/23 16:50	03/31/23 07:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3		0.2	0.2	SU			04/03/23 14:53	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-7(5-10)-032723

Lab Sample ID: 500-231293-17

Date Collected: 03/27/23 13:05

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 91.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0079	J	0.014	0.0062	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Bromoform	<0.0014		0.0014	0.00041	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Bromomethane	<0.0035		0.0035	0.0013	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Carbon disulfide	<0.0035		0.0035	0.00074	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Chlorobenzene	<0.0014		0.0014	0.00052	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Chloroethane	<0.0035		0.0035	0.0010	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Chloroform	<0.0014		0.0014	0.00049	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Chloromethane	<0.0035		0.0035	0.0014	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Dibromochloromethane	<0.0014		0.0014	0.00046	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
1,2-Dichloroethane	<0.0035		0.0035	0.0011	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00050	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
2-Hexanone	<0.0035		0.0035	0.0011	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Methylene Chloride	<0.0035		0.0035	0.0014	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Methyl Ethyl Ketone	<0.0035		0.0035	0.0016	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
methyl isobutyl ketone	<0.0035		0.0035	0.0010	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
1,1,2,2-Tetrachloroethane	<0.0014	*3	0.0014	0.00045	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Tetrachloroethene	<0.0014		0.0014	0.00048	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1
Xylenes, Total	<0.0028		0.0028	0.00045	mg/Kg	☼	03/28/23 16:48	04/04/23 16:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	151	S1+ *3	75 - 131	03/28/23 16:48	04/04/23 16:23	1
Dibromofluoromethane (Surr)	97		75 - 126	03/28/23 16:48	04/04/23 16:23	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	03/28/23 16:48	04/04/23 16:23	1
Toluene-d8 (Surr)	109		75 - 124	03/28/23 16:48	04/04/23 16:23	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.17		0.17	0.037	mg/Kg	☼	04/05/23 14:10	04/06/23 15:49	1
1,2-Dichlorobenzene	<0.17		0.17	0.041	mg/Kg	☼	04/05/23 14:10	04/06/23 15:49	1
1,3-Dichlorobenzene	<0.17		0.17	0.039	mg/Kg	☼	04/05/23 14:10	04/06/23 15:49	1
1,4-Dichlorobenzene	<0.17		0.17	0.044	mg/Kg	☼	04/05/23 14:10	04/06/23 15:49	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.040	mg/Kg	☼	04/05/23 14:10	04/06/23 15:49	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-7(5-10)-032723

Lab Sample ID: 500-231293-17

Date Collected: 03/27/23 13:05

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 91.3

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.34		0.34	0.079	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
2,4,6-Trichlorophenol	<0.34		0.34	0.12	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
2,4-Dichlorophenol	<0.34		0.34	0.082	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
2,4-Dimethylphenol	<0.34		0.34	0.13	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
2,4-Dinitrophenol	<0.70		0.70	0.61	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
2,4-Dinitrotoluene	<0.17		0.17	0.055	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
2,6-Dinitrotoluene	<0.17		0.17	0.068	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
2-Chloronaphthalene	<0.17		0.17	0.038	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
2-Chlorophenol	<0.17		0.17	0.059	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
2-Methylnaphthalene	0.0072	J	0.070	0.0064	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
2-Methylphenol	<0.17		0.17	0.056	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
2-Nitroaniline	<0.17		0.17	0.047	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
2-Nitrophenol	<0.34		0.34	0.082	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
3 & 4 Methylphenol	<0.17		0.17	0.058	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.048	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
3-Nitroaniline	<0.34		0.34	0.11	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
4,6-Dinitro-2-methylphenol	<0.70		0.70	0.28	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.046	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
4-Chloro-3-methylphenol	<0.34		0.34	0.12	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
4-Chloroaniline	<0.70		0.70	0.16	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.040	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
4-Nitroaniline	<0.34		0.34	0.14	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
4-Nitrophenol	<0.70		0.70	0.33	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Acenaphthene	<0.034		0.034	0.0062	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Acenaphthylene	<0.034		0.034	0.0046	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Anthracene	<0.034		0.034	0.0058	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Benzo[a]anthracene	<0.034		0.034	0.0047	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Benzo[a]pyrene	<0.034		0.034	0.0067	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Benzo[b]fluoranthene	<0.034		0.034	0.0075	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Benzo[g,h,i]perylene	<0.034		0.034	0.011	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Benzo[k]fluoranthene	<0.034		0.034	0.010	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.035	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.052	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.063	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Butyl benzyl phthalate	<0.17		0.17	0.066	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Carbazole	<0.17		0.17	0.087	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Chrysene	<0.034		0.034	0.0094	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Dibenz(a,h)anthracene	<0.034		0.034	0.0067	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Dibenzofuran	<0.17		0.17	0.041	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Diethyl phthalate	<0.17		0.17	0.059	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Dimethyl phthalate	<0.17		0.17	0.045	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Di-n-butyl phthalate	<0.17		0.17	0.053	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Di-n-octyl phthalate	<0.17		0.17	0.057	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Fluoranthene	<0.034		0.034	0.0064	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Fluorene	<0.034		0.034	0.0049	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Hexachlorobenzene	<0.070		0.070	0.0080	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Hexachlorobutadiene	<0.17		0.17	0.054	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Hexachlorocyclopentadiene	<0.70		0.70	0.20	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1
Hexachloroethane	<0.17		0.17	0.053	mg/Kg	✱	04/05/23 14:10	04/06/23 15:49	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-7(5-10)-032723

Lab Sample ID: 500-231293-17

Date Collected: 03/27/23 13:05

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 91.3

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.034		0.034	0.0090	mg/Kg	☼	04/05/23 14:10	04/06/23 15:49	1
Isophorone	<0.17		0.17	0.039	mg/Kg	☼	04/05/23 14:10	04/06/23 15:49	1
Naphthalene	<0.034		0.034	0.0053	mg/Kg	☼	04/05/23 14:10	04/06/23 15:49	1
Nitrobenzene	<0.034		0.034	0.0086	mg/Kg	☼	04/05/23 14:10	04/06/23 15:49	1
N-Nitrosodi-n-propylamine	<0.070		0.070	0.042	mg/Kg	☼	04/05/23 14:10	04/06/23 15:49	1
N-Nitrosodiphenylamine	<0.17		0.17	0.041	mg/Kg	☼	04/05/23 14:10	04/06/23 15:49	1
Pentachlorophenol	<0.70		0.70	0.56	mg/Kg	☼	04/05/23 14:10	04/06/23 15:49	1
Phenanthrene	0.0054	J	0.034	0.0048	mg/Kg	☼	04/05/23 14:10	04/06/23 15:49	1
Phenol	<0.17		0.17	0.077	mg/Kg	☼	04/05/23 14:10	04/06/23 15:49	1
Pyrene	<0.034		0.034	0.0069	mg/Kg	☼	04/05/23 14:10	04/06/23 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	52		31 - 143	04/05/23 14:10	04/06/23 15:49	1
2-Fluorobiphenyl (Surr)	71		43 - 145	04/05/23 14:10	04/06/23 15:49	1
2-Fluorophenol (Surr)	63		31 - 166	04/05/23 14:10	04/06/23 15:49	1
Nitrobenzene-d5 (Surr)	63		37 - 147	04/05/23 14:10	04/06/23 15:49	1
Phenol-d5 (Surr)	70		30 - 153	04/05/23 14:10	04/06/23 15:49	1
Terphenyl-d14 (Surr)	85		42 - 157	04/05/23 14:10	04/06/23 15:49	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:26	04/04/23 00:19	1
Barium	0.075	J	0.50	0.050	mg/L		03/31/23 18:26	04/04/23 00:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:26	04/04/23 00:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:26	04/04/23 00:19	1
Chromium	0.011	J	0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:19	1
Cobalt	0.022	J	0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:19	1
Copper	0.038		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:19	1
Iron	4.4		0.40	0.20	mg/L		03/31/23 18:26	04/04/23 00:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:26	04/04/23 00:19	1
Manganese	2.6	B	0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:19	1
Nickel	0.040		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:19	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:26	04/04/23 00:19	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:19	1
Zinc	0.029	J B	0.50	0.020	mg/L		03/31/23 18:26	04/04/23 00:19	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:30	04/03/23 21:49	1
Barium	<0.50		0.50	0.050	mg/L		03/31/23 18:30	04/03/23 21:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 21:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 21:49	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:49	1
Cobalt	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:49	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:49	1
Iron	1.6		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 21:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 21:49	1
Manganese	0.012	J	0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:49	1
Nickel	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:49	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 21:49	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-7(5-10)-032723

Lab Sample ID: 500-231293-17

Date Collected: 03/27/23 13:05

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 91.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:49	1
Zinc	<0.50		0.50	0.020	mg/L		03/31/23 18:30	04/03/23 21:49	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3100		10	4.3	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Antimony	0.26	J	1.0	0.20	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Arsenic	5.7		0.52	0.18	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Barium	8.7		2.6	0.30	mg/Kg	☆	04/03/23 10:34	04/05/23 15:33	5
Beryllium	0.32		0.21	0.049	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Cadmium	0.17		0.10	0.019	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Calcium	120000		52	8.9	mg/Kg	☆	04/03/23 10:34	04/05/23 15:33	5
Chromium	4.8		0.52	0.26	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Cobalt	5.4		0.26	0.068	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Copper	19		0.52	0.15	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Iron	11000		52	27	mg/Kg	☆	04/03/23 10:34	04/05/23 15:33	5
Lead	7.0		0.26	0.12	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Magnesium	70000		26	13	mg/Kg	☆	04/03/23 10:34	04/05/23 15:33	5
Manganese	290		0.52	0.076	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Nickel	12		0.52	0.15	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Potassium	1000		26	9.2	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Selenium	<0.52		0.52	0.31	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Silver	<0.26		0.26	0.067	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Sodium	250		52	7.7	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Thallium	0.30	J	0.52	0.26	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Vanadium	8.9		0.26	0.062	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1
Zinc	32		1.0	0.46	mg/Kg	☆	04/03/23 10:34	04/04/23 23:30	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 13:43	1

Method: SW846 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		04/03/23 14:55	04/04/23 12:26	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	J	0.018	0.0093	mg/Kg	☆	03/30/23 16:50	03/31/23 07:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7		0.2	0.2	SU			03/31/23 10:54	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-10(0-5)-032723

Lab Sample ID: 500-231293-18

Date Collected: 03/27/23 13:20

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 86.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	J	0.015	0.0065	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Carbon disulfide	<0.0038		0.0038	0.00078	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☼	03/28/23 16:48	04/04/23 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		75 - 131	03/28/23 16:48	04/04/23 16:49	1
Dibromofluoromethane (Surr)	98		75 - 126	03/28/23 16:48	04/04/23 16:49	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	03/28/23 16:48	04/04/23 16:49	1
Toluene-d8 (Surr)	98		75 - 124	03/28/23 16:48	04/04/23 16:49	1

Method: SW846 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	☼	04/04/23 07:31	04/04/23 23:40	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	04/04/23 07:31	04/04/23 23:40	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	04/04/23 07:31	04/04/23 23:40	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☼	04/04/23 07:31	04/04/23 23:40	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	04/04/23 07:31	04/04/23 23:40	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-10(0-5)-032723

Lab Sample ID: 500-231293-18

Date Collected: 03/27/23 13:20

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 86.1

Method: SW846 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	0.084	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
2-Methylnaphthalene	<0.074		0.074	0.0068	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Benzo[a]anthracene	0.011	J	0.037	0.0050	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Benzo[a]pyrene	<0.037		0.037	0.0071	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Benzo[g,h,i]perylene	0.014	J	0.037	0.012	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Bis(2-ethylhexyl) phthalate	0.13	J	0.19	0.067	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Carbazole	<0.19		0.19	0.092	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Chrysene	<0.037		0.037	0.010	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0071	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Fluoranthene	<0.037		0.037	0.0068	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Hexachlorobenzene	<0.074		0.074	0.0086	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	✳	04/04/23 07:31	04/04/23 23:40	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-10(0-5)-032723

Lab Sample ID: 500-231293-18

Date Collected: 03/27/23 13:20

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 86.1

Method: SW846 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	☼	04/04/23 07:31	04/04/23 23:40	1
Isophorone	<0.19		0.19	0.041	mg/Kg	☼	04/04/23 07:31	04/04/23 23:40	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	04/04/23 07:31	04/04/23 23:40	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	04/04/23 07:31	04/04/23 23:40	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	04/04/23 07:31	04/04/23 23:40	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	04/04/23 07:31	04/04/23 23:40	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	04/04/23 07:31	04/04/23 23:40	1
Phenanthrene	0.0064	J	0.037	0.0051	mg/Kg	☼	04/04/23 07:31	04/04/23 23:40	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	04/04/23 07:31	04/04/23 23:40	1
Pyrene	<0.037		0.037	0.0073	mg/Kg	☼	04/04/23 07:31	04/04/23 23:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	68		31 - 143	04/04/23 07:31	04/04/23 23:40	1
2-Fluorobiphenyl (Surr)	67		43 - 145	04/04/23 07:31	04/04/23 23:40	1
2-Fluorophenol (Surr)	65		31 - 166	04/04/23 07:31	04/04/23 23:40	1
Nitrobenzene-d5 (Surr)	62		37 - 147	04/04/23 07:31	04/04/23 23:40	1
Phenol-d5 (Surr)	69		30 - 153	04/04/23 07:31	04/04/23 23:40	1
Terphenyl-d14 (Surr)	89		42 - 157	04/04/23 07:31	04/04/23 23:40	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:26	04/04/23 00:22	1
Barium	0.39	J	0.50	0.050	mg/L		03/31/23 18:26	04/04/23 00:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:26	04/04/23 00:22	1
Cadmium	0.0030	J	0.0050	0.0020	mg/L		03/31/23 18:26	04/04/23 00:22	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:22	1
Cobalt	0.027		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:22	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:22	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:26	04/04/23 00:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:26	04/04/23 00:22	1
Manganese	5.2	B	0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:22	1
Nickel	0.021	J	0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:26	04/04/23 00:22	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:22	1
Zinc	0.022	J B	0.50	0.020	mg/L		03/31/23 18:26	04/04/23 00:22	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.080		0.050	0.010	mg/L		03/31/23 18:30	04/03/23 21:52	1
Barium	0.56		0.50	0.050	mg/L		03/31/23 18:30	04/03/23 21:52	1
Beryllium	0.0082		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 21:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 21:52	1
Chromium	0.16		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:52	1
Cobalt	0.10		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:52	1
Copper	0.20		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:52	1
Iron	190		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 21:52	1
Lead	0.14		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 21:52	1
Manganese	1.7		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:52	1
Nickel	0.24		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:52	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 21:52	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: Row-10(0-5)-032723

Lab Sample ID: 500-231293-18

Date Collected: 03/27/23 13:20

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 86.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:52	1
Zinc	0.54		0.50	0.020	mg/L		03/31/23 18:30	04/03/23 21:52	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9700		11	4.5	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Antimony	0.43	J	1.1	0.21	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Arsenic	7.5		0.55	0.19	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Barium	51		0.55	0.063	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Beryllium	0.74		0.22	0.052	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Cadmium	1.9		0.11	0.020	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Calcium	63000		55	9.4	mg/Kg	☆	04/03/23 10:34	04/05/23 15:37	5
Chromium	14		0.55	0.27	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Cobalt	12		0.28	0.072	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Copper	20		0.55	0.15	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Iron	17000		11	5.7	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Lead	33		0.28	0.13	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Magnesium	27000		5.5	2.7	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Manganese	490		0.55	0.080	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Nickel	26		0.55	0.16	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Potassium	2200		28	9.8	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Selenium	<0.55		0.55	0.32	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Silver	0.27	J	0.28	0.071	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Sodium	890		55	8.2	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Thallium	<0.55		0.55	0.28	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Vanadium	22		0.28	0.065	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1
Zinc	200		1.1	0.48	mg/Kg	☆	04/03/23 10:34	04/04/23 23:33	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 13:45	1

Method: SW846 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		04/03/23 14:55	04/04/23 12:28	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.018	0.0098	mg/Kg	☆	03/30/23 16:50	03/31/23 07:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4		0.2	0.2	SU			04/03/23 14:56	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*3	ISTD response or retention time outside acceptable 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.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery 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.
S1+	Surrogate recovery exceeds control limits, high biased.

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 exceeds control 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive

Eurofins Chicago

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record 640940



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

500-231293 COC

TAL-8210

Client Contact		Project Manager <i>A. Skors</i>		Site Contact <i>C. P...</i>		Date <i>3/27/23</i>	
Company Name <i>Western Solutions</i>		Tel/Email		Lab Contact <i>R. W. J...</i>		Carrier	
Address <i>300 Knightsbridge Pkwy Ste 500</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____		Filtered Sample (Y/N) Perform MS / MSD (Y/N)		Sampler For Lab Use Only Walk-in Client Lab Sampling	
City/State/Zip <i>Channahon, IL</i>							
Phone		<input type="checkbox"/> 2 weeks		<i>VOCs</i> <i>SVOCs</i> <i>Petal Metals</i> <i>TEP / SPLO Metals</i> <i>pH</i>		Job / SDG No <i>500-231293</i>	
Fax		<input type="checkbox"/> 1 week					
Project Name <i>2 POT 057</i>		<input type="checkbox"/> 2 days					
Site <i>E-40</i>		<input type="checkbox"/> 1 day					
P O #							
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes
<i>1</i>	<i>RAW-1(0-5)-032723</i>	<i>3/27/23</i>	<i>0930</i>	<i>G</i>	<i>S</i>	<i>6</i>	
<i>2</i>	<i>RAW-1(0-5)-032723D</i>		<i>0930</i>				
<i>3</i>	<i>RAW-2(0-5)-032723</i>		<i>0950</i>				
<i>4</i>	<i>RAW-2(5-14)-032723</i>		<i>0955</i>				
<i>5</i>	<i>RAW-3(0-5)-032723</i>		<i>1010</i>				
<i>6</i>	<i>RAW 3 032723</i>		<i>1030</i>	<i>G</i>	<i>W</i>	<i>6</i>	
<i>7</i>	<i>TRIP Blank</i>				<i>W</i>	<i>2</i>	
<i>8</i>	<i>RAW-4(6-5)-032723</i>	<i>3/27/23</i>	<i>1050</i>	<i>G</i>	<i>S</i>	<i>6</i>	
<i>9</i>	<i>RAW-5(0-5)-032723</i>		<i>1110</i>				
<i>10</i>	<i>DIR-3(0-5)-032723</i>		<i>1140</i>				
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other							
Possible Hazard Identification. Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown				<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
Special Instructions/QC Requirements & Comments: <p style="text-align: center;"><i>4.3-3.2</i></p>							
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____	
Relinquished by <i>[Signature]</i>		Company <i>WS</i>		Date/Time <i>3/27/23/1545</i>		Received by <i>[Signature]</i>	
Relinquished by <i>[Signature]</i>		Company <i>EETA</i>		Date/Time <i>3/27/23 1650</i>		Received by <i>[Signature]</i>	
Relinquished by		Company		Date/Time		Received in Laboratory by	

Chain of Custody Record 640941



Environment Testing
America

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <i>A. Slegers</i>		Site Contact: <i>C. Jones</i>		Date: <i>3-27-23</i>		COC No			
Company Name: <i>Weston Solutions</i>		Tel/Email:		Lab Contact: <i>Z. Wright</i>		Carrier		2 of 4 COCs			
Address: <i>300 Capital Circle DEWY</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		Filtered Sample (Y/N)		Perform MS/MSD (Y/N)		Sampler			
City/State/Zip: <i>Lincolnton, NC</i>								For Lab Use Only			
Phone		TAT if different from Below _____		VOCs SVOCs Total Metals TCUP/SOP Metals ppt		Walk-in Client		Lab Sampling			
Fax		<input type="checkbox"/> 2 weeks				Job / SDG No		SW-231293			
Project Name: <i>25001 051</i>		<input type="checkbox"/> 1 week									
Site: <i>I-80</i>		<input type="checkbox"/> 2 days									
P O #		<input type="checkbox"/> 1 day									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.			Sample Specific Notes		
<i>11</i>	<i>DR-3(5-10)-032723</i>	<i>3/27/23</i>	<i>1145</i>	<i>G</i>	<i>S</i>	<i>6</i>	<i>X</i>	<i>X</i>			
<i>12</i>	<i>DR-6(0-5)-032723</i>	<i> </i>	<i>1210</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
<i>13</i>	<i>DR-6(5-10)-032723</i>	<i> </i>	<i>1215</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
<i>14</i>	<i>ROW-6(0-5)-032723</i>	<i> </i>	<i>1235</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
<i>15</i>	<i>ROW-6(0-5)-032723 D</i>	<i> </i>	<i>1235</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
<i>16</i>	<i>ROW-7(0-5)-032723</i>	<i> </i>	<i>1300</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
<i>17</i>	<i>ROW-7(5-10)-032723</i>	<i> </i>	<i>1305</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
<i>18</i>	<i>ROW-10(0-5)-032723</i>	<i> </i>	<i>1320</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
<i>19</i>	<i>ROW-12(0-5)-032723</i>	<i> </i>	<i>1345</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
<i>20</i>	<i>ROW-12(5-10)-032723</i>	<i> </i>	<i>1350</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other											
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months						
Special Instructions/QC Requirements & Comments:											
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____					
Relinquished by: <i>[Signature]</i>		Company: <i>WS</i>		Date/Time: <i>3-27-23/1548</i>		Received by: <i>[Signature]</i>		Company: <i>EETA</i>			
Relinquished by: <i>[Signature]</i>		Company: <i>EETA</i>		Date/Time: <i>7/27/23 1630</i>		Received by: <i>[Signature]</i>		Company: _____			
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: _____		Company: _____			

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/7/2023 4:45:58 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231346-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231346-1	NW-1(0-5)-032823	Solid	03/27/23 09:10	03/28/23 16:53
500-231346-2	NW-1(5-10)-032823	Solid	03/27/23 09:15	03/28/23 16:53
500-231346-3	ROW-8(0-5)-032823	Solid	03/27/23 09:30	03/28/23 16:53
500-231346-4	ROW-8(0-5)-032823D	Solid	03/27/23 09:30	03/28/23 16:53
500-231346-5	NW-2(0-5)-032823	Solid	03/27/23 09:50	03/28/23 16:53
500-231346-6	ROW-9(0-5)-032823	Solid	03/27/23 10:30	03/28/23 16:53
500-231346-7	NW-3(0-5)-032823	Solid	03/27/23 10:45	03/28/23 16:53
500-231346-8	ROW-11(0-5)-032823	Solid	03/27/23 11:15	03/28/23 16:53
500-231346-9	ROW-11(5-10)-032823	Solid	03/27/23 11:20	03/28/23 16:53
500-231346-10	NW-4(0-5)-032823	Solid	03/27/23 11:50	03/28/23 16:53
500-231346-11	NW-4(5-10)-032823	Solid	03/28/23 11:55	03/28/23 16:53
500-231346-12	NW-5(0-5)-032823	Solid	03/28/23 12:25	03/28/23 16:53
500-231346-13	NW-6(0-5)-032823	Solid	03/28/23 13:15	03/28/23 16:53
500-231346-14	NW-6(5-10)-032823	Solid	03/28/23 13:20	03/28/23 16:53
500-231346-15	NW-6(10-15)-032823	Solid	03/28/23 13:25	03/28/23 16:53
500-231346-16	ROW-15(0-5)-032823	Solid	03/28/23 13:40	03/28/23 16:53
500-231346-17	ROW-15(0-5)-032823D	Solid	03/28/23 13:40	03/28/23 16:53
500-231346-18	ROW-15(5-10)-032823	Solid	03/28/23 13:45	03/28/23 16:53
500-231346-19	ROW-18(0-5)-032823	Solid	03/28/23 14:50	03/28/23 16:53
500-231346-20	ROW-18(5-10)-032823	Solid	03/28/23 14:55	03/28/23 16:53



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-8(0-5)-032823

Lab Sample ID: 500-231346-3

Date Collected: 03/27/23 09:30

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0070	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	✳	03/28/23 17:48	04/04/23 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 131	03/28/23 17:48	04/04/23 18:55	1
Dibromofluoromethane (Surr)	94		75 - 126	03/28/23 17:48	04/04/23 18:55	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	03/28/23 17:48	04/04/23 18:55	1
Toluene-d8 (Surr)	90		75 - 124	03/28/23 17:48	04/04/23 18:55	1

Method: SW846 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	✳	04/05/23 07:24	04/05/23 17:31	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	04/05/23 07:24	04/05/23 17:31	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	✳	04/05/23 07:24	04/05/23 17:31	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	✳	04/05/23 07:24	04/05/23 17:31	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	✳	04/05/23 07:24	04/05/23 17:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-8(0-5)-032823

Lab Sample ID: 500-231346-3

Date Collected: 03/27/23 09:30

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.5

Method: SW846 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	☼	04/05/23 07:24	04/05/23 17:31	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
4-Chloro-3-methylphenol	<0.39		0.39	0.14	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Benzo[b]fluoranthene	<0.039		0.039	0.0086	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Fluoranthene	<0.039		0.039	0.0074	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-8(0-5)-032823

Lab Sample ID: 500-231346-3

Date Collected: 03/27/23 09:30

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.5

Method: SW846 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	☼	04/05/23 07:24	04/05/23 17:31	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	04/05/23 07:24	04/05/23 17:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	78		31 - 143	04/05/23 07:24	04/05/23 17:31	1
2-Fluorobiphenyl (Surr)	76		43 - 145	04/05/23 07:24	04/05/23 17:31	1
2-Fluorophenol (Surr)	77		31 - 166	04/05/23 07:24	04/05/23 17:31	1
Nitrobenzene-d5 (Surr)	78		37 - 147	04/05/23 07:24	04/05/23 17:31	1
Phenol-d5 (Surr)	78		30 - 153	04/05/23 07:24	04/05/23 17:31	1
Terphenyl-d14 (Surr)	91		42 - 157	04/05/23 07:24	04/05/23 17:31	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J	0.050	0.010	mg/L		04/03/23 17:43	04/04/23 15:21	1
Barium	0.46	J	0.50	0.050	mg/L		04/03/23 17:43	04/04/23 15:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 15:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 15:21	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:21	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:21	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:21	1
Iron	<0.40		0.40	0.20	mg/L		04/03/23 17:43	04/04/23 15:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 15:21	1
Manganese	0.054		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:21	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:21	1
Selenium	0.020	J	0.050	0.020	mg/L		04/03/23 17:43	04/04/23 15:21	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:21	1
Zinc	<0.50		0.50	0.020	mg/L		04/03/23 17:43	04/04/23 15:21	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.026	J	0.050	0.010	mg/L		04/03/23 17:47	04/04/23 19:45	1
Barium	0.23	J	0.50	0.050	mg/L		04/03/23 17:47	04/04/23 19:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 19:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 19:45	1
Chromium	0.062		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:45	1
Cobalt	0.014	J	0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:45	1
Copper	0.045		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:45	1
Iron	66		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 19:45	1
Lead	0.037		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 19:45	1
Manganese	0.27		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:45	1
Nickel	0.041		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:45	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 19:45	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-8(0-5)-032823

Lab Sample ID: 500-231346-3

Date Collected: 03/27/23 09:30

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.5

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:45	1
Zinc	0.16	J	0.50	0.020	mg/L		04/03/23 17:47	04/04/23 19:45	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000	B	12	5.0	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Antimony	<1.2		1.2	0.24	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Arsenic	8.6		0.61	0.21	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Barium	66		0.61	0.069	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Beryllium	0.75		0.24	0.057	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Cadmium	0.18		0.12	0.022	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Calcium	4200	B	12	2.1	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Chromium	18		0.61	0.30	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Cobalt	9.9		0.30	0.079	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Copper	18		0.61	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Iron	21000	B	12	6.3	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Lead	17		0.30	0.14	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Magnesium	4300	B	6.1	3.0	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Manganese	320	B	0.61	0.088	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Nickel	23		0.61	0.18	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Potassium	1400		30	11	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Selenium	<0.61		0.61	0.36	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Silver	0.50		0.30	0.078	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Sodium	61		61	9.0	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Thallium	<0.61		0.61	0.30	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Vanadium	34		0.30	0.072	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1
Zinc	68		1.2	0.53	mg/Kg	☆	04/04/23 20:39	04/06/23 19:02	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:49	1

Method: SW846 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		04/03/23 14:55	04/04/23 08:42	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.019	0.010	mg/Kg	☆	03/31/23 14:20	04/03/23 08:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.2	0.2	SU			04/03/23 15:28	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-8(0-5)-032823D

Lab Sample ID: 500-231346-4

Date Collected: 03/27/23 09:30

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 82.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0068	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	✳	03/28/23 17:48	04/04/23 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	03/28/23 17:48	04/04/23 19:21	1
Dibromofluoromethane (Surr)	95		75 - 126	03/28/23 17:48	04/04/23 19:21	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	03/28/23 17:48	04/04/23 19:21	1
Toluene-d8 (Surr)	88		75 - 124	03/28/23 17:48	04/04/23 19:21	1

Method: SW846 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	✳	04/05/23 07:24	04/05/23 17:56	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-8(0-5)-032823D

Lab Sample ID: 500-231346-4

Date Collected: 03/27/23 09:30

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 82.4

Method: SW846 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	✳	04/05/23 07:24	04/05/23 17:56	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Dibenzofuran	<0.20		0.20	0.045	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✳	04/05/23 07:24	04/05/23 17:56	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-8(0-5)-032823D

Lab Sample ID: 500-231346-4

Date Collected: 03/27/23 09:30

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 82.4

Method: SW846 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	☼	04/05/23 07:24	04/05/23 17:56	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/05/23 07:24	04/05/23 17:56	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/05/23 07:24	04/05/23 17:56	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/05/23 07:24	04/05/23 17:56	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/05/23 07:24	04/05/23 17:56	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/05/23 07:24	04/05/23 17:56	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/05/23 07:24	04/05/23 17:56	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	04/05/23 07:24	04/05/23 17:56	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	04/05/23 07:24	04/05/23 17:56	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	04/05/23 07:24	04/05/23 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	79		31 - 143	04/05/23 07:24	04/05/23 17:56	1
2-Fluorobiphenyl (Surr)	80		43 - 145	04/05/23 07:24	04/05/23 17:56	1
2-Fluorophenol (Surr)	78		31 - 166	04/05/23 07:24	04/05/23 17:56	1
Nitrobenzene-d5 (Surr)	79		37 - 147	04/05/23 07:24	04/05/23 17:56	1
Phenol-d5 (Surr)	81		30 - 153	04/05/23 07:24	04/05/23 17:56	1
Terphenyl-d14 (Surr)	99		42 - 157	04/05/23 07:24	04/05/23 17:56	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:43	04/04/23 15:24	1
Barium	0.51		0.50	0.050	mg/L		04/03/23 17:43	04/04/23 15:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 15:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 15:24	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:24	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:24	1
Copper	0.015	J B	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:24	1
Iron	<0.40		0.40	0.20	mg/L		04/03/23 17:43	04/04/23 15:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 15:24	1
Manganese	0.12		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:24	1
Nickel	0.013	J	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:24	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:43	04/04/23 15:24	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:24	1
Zinc	0.41	J	0.50	0.020	mg/L		04/03/23 17:43	04/04/23 15:24	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.025	J	0.050	0.010	mg/L		04/03/23 17:47	04/04/23 19:49	1
Barium	0.19	J	0.50	0.050	mg/L		04/03/23 17:47	04/04/23 19:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 19:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 19:49	1
Chromium	0.057		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:49	1
Cobalt	0.014	J	0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:49	1
Copper	0.052		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:49	1
Iron	63		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 19:49	1
Lead	0.039		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 19:49	1
Manganese	0.25		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:49	1
Nickel	0.047		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:49	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 19:49	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-8(0-5)-032823D

Lab Sample ID: 500-231346-4

Date Collected: 03/27/23 09:30

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 82.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:49	1
Zinc	0.17	J	0.50	0.020	mg/L		04/03/23 17:47	04/04/23 19:49	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	17000	B	59	24	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Antimony	<5.9		5.9	1.1	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Arsenic	9.5		2.9	1.0	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Barium	80		2.9	0.33	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Beryllium	0.87	J	1.2	0.27	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Cadmium	0.13	J	0.59	0.11	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Calcium	2900	B	59	9.9	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Chromium	21		2.9	1.5	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Cobalt	8.7		0.29	0.077	mg/Kg	☆	04/04/23 20:39	04/06/23 19:05	1
Copper	19		2.9	0.82	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Iron	26000	B	59	30	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Lead	19		0.29	0.14	mg/Kg	☆	04/04/23 20:39	04/06/23 19:05	1
Magnesium	4000	B	29	15	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Manganese	400	B	2.9	0.42	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Nickel	26		0.59	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 19:05	1
Potassium	1600		150	52	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Selenium	<2.9		2.9	1.7	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Silver	<1.5		1.5	0.38	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Sodium	69	J	290	43	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Thallium	<0.59		0.59	0.29	mg/Kg	☆	04/04/23 20:39	04/06/23 19:05	1
Vanadium	35		1.5	0.35	mg/Kg	☆	04/04/23 20:39	04/07/23 14:10	5
Zinc	71		1.2	0.51	mg/Kg	☆	04/04/23 20:39	04/06/23 19:05	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:51	1

Method: SW846 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		04/03/23 14:55	04/04/23 08:44	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.019	0.010	mg/Kg	☆	03/31/23 14:20	04/03/23 08:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.2	0.2	SU			04/03/23 15:32	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-9(0-5)-032823

Lab Sample ID: 500-231346-6

Date Collected: 03/27/23 10:30

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0017		0.0017	0.00043	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Chloroethane	<0.0042		0.0042	0.0013	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Methyl Ethyl Ketone	0.0048		0.0042	0.0019	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Trichloroethene	0.00067 J		0.0017	0.00057	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	✳	03/28/23 17:48	04/05/23 09:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	03/28/23 17:48	04/05/23 09:48	1
Dibromofluoromethane (Surr)	92		75 - 126	03/28/23 17:48	04/05/23 09:48	1
1,2-Dichloroethane-d4 (Surr)	88		70 - 134	03/28/23 17:48	04/05/23 09:48	1
Toluene-d8 (Surr)	91		75 - 124	03/28/23 17:48	04/05/23 09:48	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.10	J	0.52	0.090	mg/Kg	✳	03/27/23 10:30	04/06/23 20:56	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		72 - 124	03/27/23 10:30	04/06/23 20:56	50
Dibromofluoromethane (Surr)	92		75 - 120	03/27/23 10:30	04/06/23 20:56	50
1,2-Dichloroethane-d4 (Surr)	84		75 - 126	03/27/23 10:30	04/06/23 20:56	50

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-9(0-5)-032823

Lab Sample ID: 500-231346-6

Date Collected: 03/27/23 10:30

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		75 - 120	03/27/23 10:30	04/06/23 20:56	50

Method: SW846 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	☆	04/05/23 07:24	04/05/23 18:52	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☆	04/05/23 07:24	04/05/23 18:52	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-9(0-5)-032823

Lab Sample ID: 500-231346-6

Date Collected: 03/27/23 10:30

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.4

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
Isophorone	<0.20		0.20	0.045	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
Phenol	<0.20		0.20	0.089	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1
Pyrene	<0.040		0.040	0.0079	mg/Kg	✱	04/05/23 07:24	04/05/23 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	78		31 - 143	04/05/23 07:24	04/05/23 18:52	1
2-Fluorobiphenyl (Surr)	78		43 - 145	04/05/23 07:24	04/05/23 18:52	1
2-Fluorophenol (Surr)	76		31 - 166	04/05/23 07:24	04/05/23 18:52	1
Nitrobenzene-d5 (Surr)	79		37 - 147	04/05/23 07:24	04/05/23 18:52	1
Phenol-d5 (Surr)	78		30 - 153	04/05/23 07:24	04/05/23 18:52	1
Terphenyl-d14 (Surr)	93		42 - 157	04/05/23 07:24	04/05/23 18:52	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:43	04/04/23 15:30	1
Barium	0.34	J	0.50	0.050	mg/L		04/03/23 17:43	04/04/23 15:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 15:30	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 15:30	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:30	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:30	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:30	1
Iron	<0.40		0.40	0.20	mg/L		04/03/23 17:43	04/04/23 15:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 15:30	1
Manganese	0.81		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:30	1
Nickel	0.012	J	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:30	1
Selenium	0.020	J	0.050	0.020	mg/L		04/03/23 17:43	04/04/23 15:30	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:30	1
Zinc	<0.50		0.50	0.020	mg/L		04/03/23 17:43	04/04/23 15:30	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.044	J	0.050	0.010	mg/L		04/03/23 17:47	04/04/23 19:55	1
Barium	0.30	J	0.50	0.050	mg/L		04/03/23 17:47	04/04/23 19:55	1
Beryllium	0.0041		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 19:55	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-9(0-5)-032823

Lab Sample ID: 500-231346-6

Date Collected: 03/27/23 10:30

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 19:55	1
Chromium	0.077		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:55	1
Cobalt	0.018	J	0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:55	1
Copper	0.091		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:55	1
Iron	99		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 19:55	1
Lead	0.054		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 19:55	1
Manganese	0.44		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:55	1
Nickel	0.069		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:55	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 19:55	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:55	1
Zinc	0.35	J	0.50	0.020	mg/L		04/03/23 17:47	04/04/23 19:55	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8800	B	12	4.9	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Arsenic	7.4		0.60	0.21	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Barium	43		0.60	0.069	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Beryllium	0.54		0.24	0.056	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Cadmium	0.24		0.12	0.022	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Calcium	76000	B	60	10	mg/Kg	☆	04/04/23 20:39	04/07/23 14:19	5
Chromium	10		0.60	0.30	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Cobalt	9.1		0.30	0.079	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Copper	14		0.60	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Iron	14000	B	12	6.3	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Lead	13		0.30	0.14	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Magnesium	35000	B	6.0	3.0	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Manganese	400	B	0.60	0.088	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Nickel	20		0.60	0.18	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Potassium	1100		30	11	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Selenium	<0.60		0.60	0.35	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Silver	0.29	J	0.30	0.078	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Sodium	280		60	8.9	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Vanadium	20		0.30	0.071	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1
Zinc	63		1.2	0.53	mg/Kg	☆	04/04/23 20:39	04/06/23 19:11	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:55	1

Method: SW846 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		04/03/23 14:55	04/04/23 08:53	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.019	0.0099	mg/Kg	☆	03/31/23 14:20	04/03/23 08:31	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-9(0-5)-032823

Lab Sample ID: 500-231346-6

Date Collected: 03/27/23 10:30

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.2	0.2	SU			04/03/23 15:37	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-11(0-5)-032823

Lab Sample ID: 500-231346-8

Date Collected: 03/27/23 11:15

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 78.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0075	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1
Xylenes, Total	<0.0035		0.0035	0.00055	mg/Kg	☆	03/28/23 17:48	04/05/23 10:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 131	03/28/23 17:48	04/05/23 10:39	1
Dibromofluoromethane (Surr)	90		75 - 126	03/28/23 17:48	04/05/23 10:39	1
1,2-Dichloroethane-d4 (Surr)	83		70 - 134	03/28/23 17:48	04/05/23 10:39	1
Toluene-d8 (Surr)	93		75 - 124	03/28/23 17:48	04/05/23 10:39	1

Method: SW846 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	☆	04/05/23 07:24	04/05/23 19:43	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☆	04/05/23 07:24	04/05/23 19:43	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☆	04/05/23 07:24	04/05/23 19:43	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☆	04/05/23 07:24	04/05/23 19:43	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.049	mg/Kg	☆	04/05/23 07:24	04/05/23 19:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-11(0-5)-032823

Lab Sample ID: 500-231346-8

Date Collected: 03/27/23 11:15

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 78.1

Method: SW846 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	✳	04/05/23 07:24	04/05/23 19:43	1
2,4,6-Trichlorophenol	<0.42		0.42	0.14	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
2,4-Dichlorophenol	<0.42		0.42	0.099	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
2,4-Dinitrophenol	<0.84		0.84	0.74	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
2,4-Dinitrotoluene	<0.21		0.21	0.067	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
2-Methylnaphthalene	<0.084		0.084	0.0077	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
2-Nitrophenol	<0.42		0.42	0.099	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
3 & 4 Methylphenol	<0.21		0.21	0.070	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.059	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.34	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Acenaphthene	<0.042		0.042	0.0075	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Acenaphthylene	<0.042		0.042	0.0055	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Anthracene	<0.042		0.042	0.0070	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Benzo[a]anthracene	<0.042		0.042	0.0056	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Benzo[a]pyrene	<0.042		0.042	0.0081	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Benzo[b]fluoranthene	<0.042		0.042	0.0090	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Benzo[g,h,i]perylene	<0.042		0.042	0.013	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Benzo[k]fluoranthene	<0.042		0.042	0.012	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Butyl benzyl phthalate	<0.21		0.21	0.080	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Carbazole	<0.21		0.21	0.10	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Chrysene	<0.042		0.042	0.011	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0081	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Fluoranthene	<0.042		0.042	0.0078	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Fluorene	<0.042		0.042	0.0059	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Hexachlorobenzene	<0.084		0.084	0.0097	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1
Hexachloroethane	<0.21		0.21	0.064	mg/Kg	✳	04/05/23 07:24	04/05/23 19:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-11(0-5)-032823

Lab Sample ID: 500-231346-8

Date Collected: 03/27/23 11:15

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 78.1

Method: SW846 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	☼	04/05/23 07:24	04/05/23 19:43	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	04/05/23 07:24	04/05/23 19:43	1
Naphthalene	<0.042		0.042	0.0064	mg/Kg	☼	04/05/23 07:24	04/05/23 19:43	1
Nitrobenzene	<0.042		0.042	0.010	mg/Kg	☼	04/05/23 07:24	04/05/23 19:43	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	04/05/23 07:24	04/05/23 19:43	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	04/05/23 07:24	04/05/23 19:43	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	04/05/23 07:24	04/05/23 19:43	1
Phenanthrene	<0.042		0.042	0.0058	mg/Kg	☼	04/05/23 07:24	04/05/23 19:43	1
Phenol	<0.21		0.21	0.093	mg/Kg	☼	04/05/23 07:24	04/05/23 19:43	1
Pyrene	<0.042		0.042	0.0083	mg/Kg	☼	04/05/23 07:24	04/05/23 19:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	80		31 - 143	04/05/23 07:24	04/05/23 19:43	1
2-Fluorobiphenyl (Surr)	72		43 - 145	04/05/23 07:24	04/05/23 19:43	1
2-Fluorophenol (Surr)	73		31 - 166	04/05/23 07:24	04/05/23 19:43	1
Nitrobenzene-d5 (Surr)	73		37 - 147	04/05/23 07:24	04/05/23 19:43	1
Phenol-d5 (Surr)	76		30 - 153	04/05/23 07:24	04/05/23 19:43	1
Terphenyl-d14 (Surr)	97		42 - 157	04/05/23 07:24	04/05/23 19:43	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:43	04/04/23 16:00	1
Barium	0.63		0.50	0.050	mg/L		04/03/23 17:43	04/04/23 16:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 16:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 16:00	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:00	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:00	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:00	1
Iron	<0.40		0.40	0.20	mg/L		04/03/23 17:43	04/04/23 16:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 16:00	1
Manganese	1.6		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:00	1
Nickel	0.020	J	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:00	1
Selenium	0.021	J	0.050	0.020	mg/L		04/03/23 17:43	04/04/23 16:00	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:00	1
Zinc	<0.50		0.50	0.020	mg/L		04/03/23 17:43	04/04/23 16:00	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.053		0.050	0.010	mg/L		04/03/23 17:47	04/04/23 20:01	1
Barium	0.97		0.50	0.050	mg/L		04/03/23 17:47	04/04/23 20:01	1
Beryllium	0.0080		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 20:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 20:01	1
Chromium	0.25		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:01	1
Cobalt	0.036		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:01	1
Copper	0.17		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:01	1
Iron	250		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 20:01	1
Lead	0.065		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 20:01	1
Manganese	0.50		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:01	1
Nickel	0.12		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:01	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 20:01	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-11(0-5)-032823

Lab Sample ID: 500-231346-8

Date Collected: 03/27/23 11:15

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 78.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:01	1
Zinc	0.58		0.50	0.020	mg/L		04/03/23 17:47	04/04/23 20:01	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20000	B	62	25	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Antimony	<6.2		6.2	1.2	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Arsenic	12		3.1	1.1	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Barium	280		3.1	0.35	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Beryllium	1.2		1.2	0.29	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Cadmium	<0.62		0.62	0.11	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Calcium	3200	B	62	10	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Chromium	28		3.1	1.5	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Cobalt	15		0.31	0.081	mg/Kg	☆	04/04/23 20:39	04/06/23 19:17	1
Copper	29		3.1	0.86	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Iron	34000	B	62	32	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Lead	17		0.31	0.14	mg/Kg	☆	04/04/23 20:39	04/06/23 19:17	1
Magnesium	6600	B	31	15	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Manganese	500	B	3.1	0.45	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Nickel	79		0.62	0.18	mg/Kg	☆	04/04/23 20:39	04/06/23 19:17	1
Potassium	2100		150	55	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Selenium	<3.1		3.1	1.8	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Silver	<1.5		1.5	0.40	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Sodium	120	J	310	46	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Thallium	<0.62		0.62	0.31	mg/Kg	☆	04/04/23 20:39	04/06/23 19:17	1
Vanadium	39		1.5	0.36	mg/Kg	☆	04/04/23 20:39	04/07/23 14:22	5
Zinc	82		1.2	0.54	mg/Kg	☆	04/04/23 20:39	04/06/23 19:17	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 11:19	1

Method: SW846 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		04/03/23 14:55	04/04/23 08:57	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.051		0.020	0.011	mg/Kg	☆	03/31/23 14:20	04/03/23 08:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	6.8		0.2	0.2	SU			04/03/23 15:42	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-11(5-10)-032823

Lab Sample ID: 500-231346-9

Date Collected: 03/27/23 11:20

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 87.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0064	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Carbon disulfide	<0.0037		0.0037	0.00077	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Chlorobenzene	<0.0015		0.0015	0.00054	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00044	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Ethylbenzene	<0.0015		0.0015	0.00071	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0016	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00065	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Vinyl chloride	<0.0015		0.0015	0.00065	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1
Xylenes, Total	<0.0030		0.0030	0.00047	mg/Kg	☆	03/28/23 17:48	04/05/23 11:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	03/28/23 17:48	04/05/23 11:05	1
Dibromofluoromethane (Surr)	96		75 - 126	03/28/23 17:48	04/05/23 11:05	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	03/28/23 17:48	04/05/23 11:05	1
Toluene-d8 (Surr)	90		75 - 124	03/28/23 17:48	04/05/23 11:05	1

Method: SW846 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	☆	04/05/23 07:24	04/05/23 20:09	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☆	04/05/23 07:24	04/05/23 20:09	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☆	04/05/23 07:24	04/05/23 20:09	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☆	04/05/23 07:24	04/05/23 20:09	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☆	04/05/23 07:24	04/05/23 20:09	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-11(5-10)-032823

Lab Sample ID: 500-231346-9

Date Collected: 03/27/23 11:20

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 87.5

Method: SW846 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	0.082	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
2,4-Dichlorophenol	<0.36		0.36	0.085	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
2,4-Dinitrophenol	<0.73		0.73	0.63	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
2-Methylnaphthalene	<0.073		0.073	0.0066	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
2-Nitrophenol	<0.36		0.36	0.085	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
4-Nitrophenol	<0.73		0.73	0.34	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Acenaphthylene	<0.036		0.036	0.0047	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Benzo[a]anthracene	<0.036		0.036	0.0048	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Bis(2-ethylhexyl) phthalate	0.14	J	0.18	0.066	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Butyl benzyl phthalate	<0.18		0.18	0.068	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Carbazole	<0.18		0.18	0.090	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Chrysene	<0.036		0.036	0.0098	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Hexachlorobenzene	<0.073		0.073	0.0083	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	✳	04/05/23 07:24	04/05/23 20:09	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-11(5-10)-032823

Lab Sample ID: 500-231346-9

Date Collected: 03/27/23 11:20

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 87.5

Method: SW846 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	0.0093	mg/Kg	☼	04/05/23 07:24	04/05/23 20:09	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	04/05/23 07:24	04/05/23 20:09	1
Naphthalene	<0.036		0.036	0.0055	mg/Kg	☼	04/05/23 07:24	04/05/23 20:09	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	04/05/23 07:24	04/05/23 20:09	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	04/05/23 07:24	04/05/23 20:09	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	04/05/23 07:24	04/05/23 20:09	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	04/05/23 07:24	04/05/23 20:09	1
Phenanthrene	<0.036		0.036	0.0050	mg/Kg	☼	04/05/23 07:24	04/05/23 20:09	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	04/05/23 07:24	04/05/23 20:09	1
Pyrene	<0.036		0.036	0.0071	mg/Kg	☼	04/05/23 07:24	04/05/23 20:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	79		31 - 143				04/05/23 07:24	04/05/23 20:09	1
2-Fluorobiphenyl (Surr)	56		43 - 145				04/05/23 07:24	04/05/23 20:09	1
2-Fluorophenol (Surr)	51		31 - 166				04/05/23 07:24	04/05/23 20:09	1
Nitrobenzene-d5 (Surr)	49		37 - 147				04/05/23 07:24	04/05/23 20:09	1
Phenol-d5 (Surr)	55		30 - 153				04/05/23 07:24	04/05/23 20:09	1
Terphenyl-d14 (Surr)	101		42 - 157				04/05/23 07:24	04/05/23 20:09	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		04/03/23 17:43	04/04/23 16:03	1
Barium	0.47	J	0.50	0.050	mg/L		04/03/23 17:43	04/04/23 16:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 16:03	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 16:03	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:03	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:03	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:03	1
Iron	<0.40		0.40	0.20	mg/L		04/03/23 17:43	04/04/23 16:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 16:03	1
Manganese	0.58		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:03	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:03	1
Selenium	0.024	J	0.050	0.020	mg/L		04/03/23 17:43	04/04/23 16:03	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:03	1
Zinc	<0.50		0.50	0.020	mg/L		04/03/23 17:43	04/04/23 16:03	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:47	04/04/23 20:11	1
Barium	<0.50		0.50	0.050	mg/L		04/03/23 17:47	04/04/23 20:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 20:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 20:11	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:11	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:11	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:11	1
Iron	1.7		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 20:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 20:11	1
Manganese	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:11	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:11	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 20:11	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-11(5-10)-032823

Lab Sample ID: 500-231346-9

Date Collected: 03/27/23 11:20

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 87.5

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:11	1
Zinc	<0.50		0.50	0.020	mg/L		04/03/23 17:47	04/04/23 20:11	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7700	B	11	4.5	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Antimony	<1.1		1.1	0.21	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Arsenic	8.9		0.55	0.19	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Barium	48		2.7	0.31	mg/Kg	☆	04/04/23 20:39	04/07/23 14:25	5
Beryllium	0.58		0.22	0.051	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Cadmium	0.20		0.11	0.020	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Calcium	85000	B	55	9.2	mg/Kg	☆	04/04/23 20:39	04/07/23 14:25	5
Chromium	12		0.55	0.27	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Cobalt	9.3		0.27	0.071	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Copper	16		0.55	0.15	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Iron	20000	B	55	28	mg/Kg	☆	04/04/23 20:39	04/07/23 14:25	5
Lead	12		0.27	0.13	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Magnesium	42000	B	27	14	mg/Kg	☆	04/04/23 20:39	04/07/23 14:25	5
Manganese	330	B	0.55	0.079	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Nickel	22		0.55	0.16	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Potassium	1700		27	9.7	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Selenium	<0.55		0.55	0.32	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Silver	0.28		0.27	0.070	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Sodium	150		55	8.1	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Thallium	<0.55		0.55	0.27	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Vanadium	17		0.27	0.064	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1
Zinc	45		1.1	0.48	mg/Kg	☆	04/04/23 20:39	04/06/23 19:21	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 11:21	1

Method: SW846 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		04/03/23 14:55	04/04/23 08:59	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.017	0.0091	mg/Kg	☆	03/31/23 14:20	04/03/23 08:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			04/03/23 15:45	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-18(0-5)-032823

Lab Sample ID: 500-231346-19

Date Collected: 03/28/23 14:50

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0068	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Bromoform	<0.0016		0.0016	0.00045	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Chlorobenzene	<0.0016		0.0016	0.00057	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00043	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Ethylbenzene	<0.0016		0.0016	0.00074	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	✳	03/28/23 17:48	04/05/23 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		75 - 131	03/28/23 17:48	04/05/23 15:47	1
Dibromofluoromethane (Surr)	98		75 - 126	03/28/23 17:48	04/05/23 15:47	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	03/28/23 17:48	04/05/23 15:47	1
Toluene-d8 (Surr)	94		75 - 124	03/28/23 17:48	04/05/23 15:47	1

Method: SW846 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	✳	04/05/23 07:24	04/06/23 00:51	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-18(0-5)-032823

Lab Sample ID: 500-231346-19

Date Collected: 03/28/23 14:50

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.6

Method: SW846 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	✳	04/05/23 07:24	04/06/23 00:51	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Benzo[a]anthracene	0.012	J	0.039	0.0052	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Benzo[b]fluoranthene	0.043		0.039	0.0084	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Benzo[g,h,i]perylene	0.020	J	0.039	0.013	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✳	04/05/23 07:24	04/06/23 00:51	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-18(0-5)-032823

Lab Sample ID: 500-231346-19

Date Collected: 03/28/23 14:50

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.6

Method: SW846 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	☼	04/05/23 07:24	04/06/23 00:51	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/05/23 07:24	04/06/23 00:51	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/05/23 07:24	04/06/23 00:51	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/05/23 07:24	04/06/23 00:51	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/05/23 07:24	04/06/23 00:51	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/05/23 07:24	04/06/23 00:51	1
Pentachlorophenol	<0.79		0.79	0.62	mg/Kg	☼	04/05/23 07:24	04/06/23 00:51	1
Phenanthrene	0.0082	J	0.039	0.0054	mg/Kg	☼	04/05/23 07:24	04/06/23 00:51	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/05/23 07:24	04/06/23 00:51	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	04/05/23 07:24	04/06/23 00:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	69		31 - 143	04/05/23 07:24	04/06/23 00:51	1
2-Fluorobiphenyl (Surr)	70		43 - 145	04/05/23 07:24	04/06/23 00:51	1
2-Fluorophenol (Surr)	66		31 - 166	04/05/23 07:24	04/06/23 00:51	1
Nitrobenzene-d5 (Surr)	64		37 - 147	04/05/23 07:24	04/06/23 00:51	1
Phenol-d5 (Surr)	70		30 - 153	04/05/23 07:24	04/06/23 00:51	1
Terphenyl-d14 (Surr)	90		42 - 157	04/05/23 07:24	04/06/23 00:51	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:43	04/04/23 16:59	1
Barium	0.40	J	0.50	0.050	mg/L		04/03/23 17:43	04/04/23 16:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 16:59	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 16:59	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:59	1
Cobalt	0.019	J	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:59	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:59	1
Iron	<0.40		0.40	0.20	mg/L		04/03/23 17:43	04/04/23 16:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 16:59	1
Manganese	4.8		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:59	1
Nickel	0.020	J	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:59	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:43	04/04/23 16:59	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:59	1
Zinc	<0.50		0.50	0.020	mg/L		04/03/23 17:43	04/04/23 16:59	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:47	04/04/23 20:59	1
Barium	<0.50		0.50	0.050	mg/L		04/03/23 17:47	04/04/23 20:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 20:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 20:59	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:59	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:59	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:59	1
Iron	0.71		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 20:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 20:59	1
Manganese	0.022	J	0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:59	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:59	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 20:59	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-18(0-5)-032823

Lab Sample ID: 500-231346-19

Date Collected: 03/28/23 14:50

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:59	1
Zinc	<0.50		0.50	0.020	mg/L		04/03/23 17:47	04/04/23 20:59	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000	B	12	4.8	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Arsenic	6.8		0.59	0.20	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Barium	58		0.59	0.068	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Beryllium	0.80		0.24	0.055	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Cadmium	0.20		0.12	0.021	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Calcium	62000	B	59	10	mg/Kg	☆	04/04/23 20:39	04/07/23 14:57	5
Chromium	18		0.59	0.29	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Cobalt	11		0.30	0.078	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Copper	20		0.59	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Iron	19000	B	12	6.2	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Lead	13		0.30	0.14	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Magnesium	23000	B	5.9	2.9	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Manganese	350	B	0.59	0.086	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Nickel	31		0.59	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Potassium	2800		30	11	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Selenium	<0.59		0.59	0.35	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Silver	0.43		0.30	0.077	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Sodium	740		59	8.8	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Thallium	<0.59		0.59	0.30	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Vanadium	24		0.30	0.070	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1
Zinc	55		1.2	0.52	mg/Kg	☆	04/04/23 20:39	04/06/23 19:59	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:23	1

Method: SW846 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		04/03/23 14:55	04/04/23 09:29	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.019	0.0099	mg/Kg	☆	03/31/23 14:20	04/03/23 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.2	0.2	SU			04/03/23 16:12	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-18(5-10)-032823

Lab Sample ID: 500-231346-20

Date Collected: 03/28/23 14:55

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0070	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Carbon disulfide	<0.0040		0.0040	0.00084	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
1,2-Dichloroethane	<0.0040		0.0040	0.0013	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
2-Hexanone	<0.0040		0.0040	0.0013	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	✳	03/28/23 17:48	04/05/23 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	03/28/23 17:48	04/05/23 16:12	1
Dibromofluoromethane (Surr)	93		75 - 126	03/28/23 17:48	04/05/23 16:12	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	03/28/23 17:48	04/05/23 16:12	1
Toluene-d8 (Surr)	90		75 - 124	03/28/23 17:48	04/05/23 16:12	1

Method: SW846 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	✳	04/05/23 07:24	04/06/23 01:16	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-18(5-10)-032823

Lab Sample ID: 500-231346-20

Date Collected: 03/28/23 14:55

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.0

Method: SW846 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	✳	04/05/23 07:24	04/06/23 01:16	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
4-Chloro-3-methylphenol	<0.39		0.39	0.14	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Benzo[a]pyrene	0.055		0.039	0.0077	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Benzo[b]fluoranthene	0.055		0.039	0.0086	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Benzo[g,h,i]perylene	0.054		0.039	0.013	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Carbazole	<0.20		0.20	0.099	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Fluoranthene	0.0084	J	0.039	0.0074	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	✳	04/05/23 07:24	04/06/23 01:16	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-18(5-10)-032823

Lab Sample ID: 500-231346-20

Date Collected: 03/28/23 14:55

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.076		0.039	0.010	mg/Kg	☼	04/05/23 07:24	04/06/23 01:16	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	04/05/23 07:24	04/06/23 01:16	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	04/05/23 07:24	04/06/23 01:16	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	04/05/23 07:24	04/06/23 01:16	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	04/05/23 07:24	04/06/23 01:16	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/05/23 07:24	04/06/23 01:16	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	04/05/23 07:24	04/06/23 01:16	1
Phenanthrene	0.0080	J	0.039	0.0055	mg/Kg	☼	04/05/23 07:24	04/06/23 01:16	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	04/05/23 07:24	04/06/23 01:16	1
Pyrene	0.013	J	0.039	0.0079	mg/Kg	☼	04/05/23 07:24	04/06/23 01:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	56		31 - 143				04/05/23 07:24	04/06/23 01:16	1
2-Fluorobiphenyl (Surr)	58		43 - 145				04/05/23 07:24	04/06/23 01:16	1
2-Fluorophenol (Surr)	55		31 - 166				04/05/23 07:24	04/06/23 01:16	1
Nitrobenzene-d5 (Surr)	50		37 - 147				04/05/23 07:24	04/06/23 01:16	1
Phenol-d5 (Surr)	61		30 - 153				04/05/23 07:24	04/06/23 01:16	1
Terphenyl-d14 (Surr)	81		42 - 157				04/05/23 07:24	04/06/23 01:16	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:43	04/04/23 17:02	1
Barium	0.57		0.50	0.050	mg/L		04/03/23 17:43	04/04/23 17:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 17:02	1
Cadmium	0.0030	J	0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 17:02	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 17:02	1
Cobalt	0.039		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 17:02	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 17:02	1
Iron	<0.40		0.40	0.20	mg/L		04/03/23 17:43	04/04/23 17:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 17:02	1
Manganese	10		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 17:02	1
Nickel	0.038		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 17:02	1
Selenium	0.020	J	0.050	0.020	mg/L		04/03/23 17:43	04/04/23 17:02	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 17:02	1
Zinc	<0.50		0.50	0.020	mg/L		04/03/23 17:43	04/04/23 17:02	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:47	04/04/23 21:03	1
Barium	<0.50		0.50	0.050	mg/L		04/03/23 17:47	04/04/23 21:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 21:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 21:03	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 21:03	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 21:03	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 21:03	1
Iron	6.7		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 21:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 21:03	1
Manganese	0.14		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 21:03	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 21:03	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 21:03	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-18(5-10)-032823

Lab Sample ID: 500-231346-20

Date Collected: 03/28/23 14:55

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.0

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 21:03	1
Zinc	<0.50		0.50	0.020	mg/L		04/03/23 17:47	04/04/23 21:03	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000	B	12	4.9	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Arsenic	6.6		0.60	0.20	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Barium	64		0.60	0.068	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Beryllium	0.77		0.24	0.056	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Cadmium	0.24		0.12	0.021	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Calcium	63000	B	60	10	mg/Kg	☆	04/04/23 20:39	04/07/23 15:00	5
Chromium	17		0.60	0.29	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Cobalt	10		0.30	0.078	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Copper	18		0.60	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Iron	18000	B	12	6.2	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Lead	12		0.30	0.14	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Magnesium	25000	B	6.0	3.0	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Manganese	340	B	0.60	0.086	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Nickel	26		0.60	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Potassium	2400		30	11	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Selenium	<0.60		0.60	0.35	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Silver	0.40		0.30	0.077	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Sodium	470		60	8.8	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Vanadium	25		0.30	0.070	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1
Zinc	55		1.2	0.52	mg/Kg	☆	04/04/23 20:39	04/06/23 20:02	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:25	1

Method: SW846 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		04/03/23 14:55	04/04/23 09:31	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.019	0.010	mg/Kg	☆	03/31/23 14:20	04/03/23 09:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			04/03/23 16:14	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

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
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 exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record 640961



Environment Testing
America

Address _____



500-231346 COC

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: A. Steyers		Site Contact: C. Pence		Date: 3-28-23		COC No: _____ of _____ COCs			
Company Name: <u>Weston Solutions</u>		Tel/Email: _____		Lab Contact: <u>R. Wright</u>		Carrier: _____		Sampler: _____			
Address: <u>300 Knightbridge Parkway</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS/MSD (Y/N) VOCs SVOCs Total Metals TeP/SP/PP Metals pH				For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/> Job / SDG No <u>500-231346</u>			
City/State/Zip: <u>Winchester, NC</u>											
Phone: _____											
Fax: _____											
Project Name: <u>IDOT 051</u>											
Site: <u>I-80</u>											
P O #: _____											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp G=Grab)	Matrix	# of Cont.	Sample Specific Notes				
NW-1(0-5)-032823		3-27-23	0910	G	S	6	X	X	X	X	
NW-1(5-10)-032823			0915								
RAW-8(0-5)-032823			0930								
RAW-8(0-5)-032823D			0930								
NW-2(0-5)-032823			0950								
RAW-9(0-5)-032823			1030								
NW-3(0-5)-032823			1045								
RAW-11(0-5)-032823			1115								
RAW-11(5-10)-032823			1120								
NW-4(0-5)-032823			1150								
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other											
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months						
Special Instructions/QC Requirements & Comments: <div style="text-align: right; font-size: 1.2em;">49+38, 50+49</div>											
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____		Corr'd _____		Therm ID No _____			
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>3-28-23/1600</u>		Received by: <u>M.A. Ellin</u>		Company: <u>EETA</u>			
Relinquished by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>3/28/23 1653</u>		Received by: _____		Company: _____			
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: <u>Stephanie Hernandez</u>		Company: <u>EETA</u>			

Chain of Custody Record 640960



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <i>A. Slezee</i>		Site Contact: <i>C. Pence</i>		Date: <i>3-28-23</i>		COC No			
Company Name: <i>Weston Solutions</i>		Tel/Email		Lab Contact: <i>R. Wright</i>		Carrier:		2 of _____ COCs			
Address: <i>300 Knightsbridge Pkwy</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS/MSD (Y/N) <i>VOCS</i> <i>SUOCs</i> <i>Total Metals</i> <i>TECP/SPEC Metals</i> <i>pH</i>						Sampler:	
City/State/Zip: <i>Lincolnton, NC</i>										For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>	
Phone								Job / SDG No			
Fax								<i>500-231340</i>			
Project Name: <i>IDOT I-80 OST</i>											
Site: <i>I-80</i>											
P O #											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.			Sample Specific Notes		
<i>NW-4(5-10)-032823</i>		<i>3/28/23</i>	<i>1155</i>	<i>G</i>	<i>S</i>	<i>6</i>	<i>X</i>	<i>X</i>			
<i>NW-5(0-5)-032823</i>			<i>1215</i>								
<i>NW-6(0-5)-032823</i>			<i>1315</i>								
<i>NW-6(5-10)-032823</i>			<i>1328</i>								
<i>NW-6(10-15)-032823</i>			<i>1325</i>								
<i>ROW-15(0-5)-032823</i>			<i>1340</i>								
<i>ROW-15(0-5)-032823</i>			<i>1340</i>								
<i>ROW-15(5-10)-032823</i>			<i>1345</i>								
<i>ROW-18(0-5)-032823</i>			<i>1450</i>								
<i>ROW-18(5-10)-032823</i>			<i>1455</i>								

Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

Non-Hazard Flammable Skin Irritant Poison B Unknown

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____	
Relinquished by: <i>[Signature]</i>	Company: <i>WS</i>	Date/Time: <i>3-28-23/1600</i>	Received by: <i>[Signature]</i>	Company: <i>EETA</i>	Date/Time: <i>3/28/23 1600</i>		
Relinquished by: <i>[Signature]</i>	Company: <i>EETA</i>	Date/Time: <i>3/28/23 1653</i>	Received by:	Company:	Date/Time:		
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: <i>[Signature]</i>	Company: <i>EETA</i>	Date/Time: <i>3/28/23 1653</i>		

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/10/2023 11:04:33 AM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231348-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231348-1	Row-18(10-15)-032823	Solid	03/28/23 15:00	03/28/23 16:57
500-231348-2	Row-19(0-5)-032823	Solid	03/28/23 15:20	03/28/23 16:57
500-231348-3	Row-19(5-10)-032823	Solid	03/28/23 15:25	03/28/23 16:57
500-231348-4	Row-19(10-15)-032823	Solid	03/28/23 15:30	03/28/23 16:57
500-231348-5	Row-19(10-15)-032823D	Solid	03/28/23 15:30	03/28/23 16:57
500-231348-6	Row-20(0-5)-032823	Solid	03/28/23 15:45	03/28/23 16:57
500-231348-7	Row-20(5-10)-032823	Solid	03/28/23 15:50	03/28/23 16:57
500-231348-8	Row-20(10-15)-032823	Solid	03/28/23 15:55	03/28/23 16:57

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-18(10-15)-032823

Lab Sample ID: 500-231348-1

Date Collected: 03/28/23 15:00

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 84.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0066	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Carbon disulfide	<0.0038		0.0038	0.00079	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00065	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Vinyl chloride	<0.0015		0.0015	0.00067	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	✱	03/28/23 17:48	04/04/23 03:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	03/28/23 17:48	04/04/23 03:38	1
Dibromofluoromethane (Surr)	92		75 - 126	03/28/23 17:48	04/04/23 03:38	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	03/28/23 17:48	04/04/23 03:38	1
Toluene-d8 (Surr)	90		75 - 124	03/28/23 17:48	04/04/23 03:38	1

Method: SW846 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	✱	04/05/23 14:10	04/06/23 21:25	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	✱	04/05/23 14:10	04/06/23 21:25	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✱	04/05/23 14:10	04/06/23 21:25	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✱	04/05/23 14:10	04/06/23 21:25	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	✱	04/05/23 14:10	04/06/23 21:25	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-18(10-15)-032823

Lab Sample ID: 500-231348-1

Date Collected: 03/28/23 15:00

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 84.6

Method: SW846 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	✳	04/05/23 14:10	04/06/23 21:25	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Benzo[a]pyrene	<0.038		0.038	0.0075	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Carbazole	<0.19		0.19	0.096	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Chrysene	<0.038		0.038	0.011	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	✳	04/05/23 14:10	04/06/23 21:25	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-18(10-15)-032823

Lab Sample ID: 500-231348-1

Date Collected: 03/28/23 15:00

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 84.6

Method: SW846 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	☼	04/05/23 14:10	04/06/23 21:25	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/05/23 14:10	04/06/23 21:25	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/05/23 14:10	04/06/23 21:25	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	04/05/23 14:10	04/06/23 21:25	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/05/23 14:10	04/06/23 21:25	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/05/23 14:10	04/06/23 21:25	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/05/23 14:10	04/06/23 21:25	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	04/05/23 14:10	04/06/23 21:25	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	04/05/23 14:10	04/06/23 21:25	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	☼	04/05/23 14:10	04/06/23 21:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	47		31 - 143	04/05/23 14:10	04/06/23 21:25	1
2-Fluorobiphenyl (Surr)	67		43 - 145	04/05/23 14:10	04/06/23 21:25	1
2-Fluorophenol (Surr)	60		31 - 166	04/05/23 14:10	04/06/23 21:25	1
Nitrobenzene-d5 (Surr)	60		37 - 147	04/05/23 14:10	04/06/23 21:25	1
Phenol-d5 (Surr)	65		30 - 153	04/05/23 14:10	04/06/23 21:25	1
Terphenyl-d14 (Surr)	72		42 - 157	04/05/23 14:10	04/06/23 21:25	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/23 17:09	04/05/23 16:51	1
Barium	0.44	J	0.50	0.050	mg/L		04/04/23 17:09	04/05/23 16:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/23 17:09	04/05/23 16:51	1
Cadmium	0.0036	J	0.0050	0.0020	mg/L		04/04/23 17:09	04/05/23 16:51	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:51	1
Cobalt	0.039		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:51	1
Copper	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:51	1
Iron	<0.40		0.40	0.20	mg/L		04/04/23 17:09	04/05/23 16:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/23 17:09	04/05/23 16:51	1
Manganese	6.3		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:51	1
Nickel	0.041		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:51	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:09	04/05/23 16:51	1
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:51	1
Zinc	<0.50		0.50	0.020	mg/L		04/04/23 17:09	04/05/23 16:51	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.022	J	0.050	0.010	mg/L		04/04/23 17:10	04/05/23 13:48	1
Barium	0.26	J	0.50	0.050	mg/L		04/04/23 17:10	04/05/23 13:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/23 17:10	04/05/23 13:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:10	04/05/23 13:48	1
Chromium	0.073		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 13:48	1
Cobalt	0.022	J	0.025	0.010	mg/L		04/04/23 17:10	04/05/23 13:48	1
Copper	0.062		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 13:48	1
Iron	66		0.40	0.20	mg/L		04/04/23 17:10	04/05/23 13:48	1
Lead	0.031		0.0075	0.0075	mg/L		04/04/23 17:10	04/05/23 13:48	1
Manganese	0.55		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 13:48	1
Nickel	0.073		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 13:48	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:10	04/05/23 13:48	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-18(10-15)-032823

Lab Sample ID: 500-231348-1

Date Collected: 03/28/23 15:00

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 84.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 13:48	1
Zinc	0.19	J	0.50	0.020	mg/L		04/04/23 17:10	04/05/23 13:48	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		11	4.7	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Antimony	<1.1	F1	1.1	0.22	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Arsenic	8.2	F1	0.57	0.20	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Barium	44	B	0.57	0.065	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Beryllium	0.80	B	0.23	0.053	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Cadmium	0.23	B	0.11	0.021	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Calcium	70000	B	57	9.7	mg/Kg	✱	04/05/23 09:46	04/07/23 13:45	5
Chromium	17		0.57	0.28	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Cobalt	12		0.29	0.075	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Copper	19		0.57	0.16	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Iron	20000		11	5.9	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Lead	12		0.29	0.13	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Magnesium	25000		5.7	2.8	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Manganese	360	B	0.57	0.083	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Nickel	31		0.57	0.17	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Potassium	2600		29	10	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Selenium	<0.57	F1	0.57	0.34	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Silver	0.36		0.29	0.074	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Sodium	170		57	8.5	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Thallium	<0.57		0.57	0.29	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Vanadium	23		0.29	0.067	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1
Zinc	59		1.1	0.50	mg/Kg	✱	04/05/23 09:46	04/06/23 17:44	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/04/23 16:50	04/05/23 11:42	1

Method: SW846 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		04/04/23 16:50	04/05/23 09:45	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.018	0.0096	mg/Kg	✱	03/31/23 14:20	04/03/23 12:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.2	0.2	SU			04/03/23 17:31	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-19(0-5)-032823

Lab Sample ID: 500-231348-2

Date Collected: 03/28/23 15:20

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 79.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0068	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☆	03/28/23 17:48	04/04/23 04:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	03/28/23 17:48	04/04/23 04:03	1
Dibromofluoromethane (Surr)	94		75 - 126	03/28/23 17:48	04/04/23 04:03	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	03/28/23 17:48	04/04/23 04:03	1
Toluene-d8 (Surr)	88		75 - 124	03/28/23 17:48	04/04/23 04:03	1

Method: SW846 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	☆	04/05/23 14:10	04/06/23 17:18	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☆	04/05/23 14:10	04/06/23 17:18	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☆	04/05/23 14:10	04/06/23 17:18	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☆	04/05/23 14:10	04/06/23 17:18	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.049	mg/Kg	☆	04/05/23 14:10	04/06/23 17:18	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-19(0-5)-032823

Lab Sample ID: 500-231348-2

Date Collected: 03/28/23 15:20

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 79.2

Method: SW846 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	☼	04/05/23 14:10	04/06/23 17:18	1
2,4,6-Trichlorophenol	<0.42		0.42	0.14	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
2,4-Dichlorophenol	<0.42		0.42	0.10	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
2,4-Dinitrophenol	<0.84		0.84	0.74	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
2,4-Dinitrotoluene	<0.21		0.21	0.067	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
2-Chlorophenol	<0.21		0.21	0.072	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
2-Methylnaphthalene	<0.084		0.084	0.0077	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
2-Nitrophenol	<0.42		0.42	0.099	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
3 & 4 Methylphenol	<0.21		0.21	0.070	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.059	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.34	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Acenaphthene	<0.042		0.042	0.0075	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Acenaphthylene	<0.042		0.042	0.0055	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Anthracene	<0.042		0.042	0.0070	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Benzo[a]anthracene	<0.042		0.042	0.0056	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Benzo[a]pyrene	<0.042		0.042	0.0081	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Benzo[b]fluoranthene	<0.042		0.042	0.0090	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Benzo[g,h,i]perylene	<0.042		0.042	0.013	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Benzo[k]fluoranthene	<0.042		0.042	0.012	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.077	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Butyl benzyl phthalate	<0.21		0.21	0.080	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Chrysene	<0.042		0.042	0.011	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0081	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Fluoranthene	<0.042		0.042	0.0078	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Fluorene	<0.042		0.042	0.0059	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Hexachlorobenzene	<0.084		0.084	0.0097	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Hexachloroethane	<0.21		0.21	0.064	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-19(0-5)-032823

Lab Sample ID: 500-231348-2

Date Collected: 03/28/23 15:20

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 79.2

Method: SW846 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	☼	04/05/23 14:10	04/06/23 17:18	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Naphthalene	<0.042		0.042	0.0064	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Nitrobenzene	<0.042		0.042	0.010	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Phenanthrene	<0.042		0.042	0.0058	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Phenol	<0.21		0.21	0.093	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1
Pyrene	<0.042		0.042	0.0083	mg/Kg	☼	04/05/23 14:10	04/06/23 17:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	61		31 - 143	04/05/23 14:10	04/06/23 17:18	1
2-Fluorobiphenyl (Surr)	58		43 - 145	04/05/23 14:10	04/06/23 17:18	1
2-Fluorophenol (Surr)	55		31 - 166	04/05/23 14:10	04/06/23 17:18	1
Nitrobenzene-d5 (Surr)	52		37 - 147	04/05/23 14:10	04/06/23 17:18	1
Phenol-d5 (Surr)	62		30 - 153	04/05/23 14:10	04/06/23 17:18	1
Terphenyl-d14 (Surr)	75		42 - 157	04/05/23 14:10	04/06/23 17:18	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/23 17:09	04/05/23 15:59	1
Barium	0.56		0.50	0.050	mg/L		04/04/23 17:09	04/05/23 15:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/23 17:09	04/05/23 15:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:09	04/05/23 15:59	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 15:59	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 15:59	1
Copper	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 15:59	1
Iron	<0.40		0.40	0.20	mg/L		04/04/23 17:09	04/05/23 15:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/23 17:09	04/05/23 15:59	1
Manganese	4.1		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 15:59	1
Nickel	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 15:59	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:09	04/05/23 15:59	1
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 15:59	1
Zinc	<0.50		0.50	0.020	mg/L		04/04/23 17:09	04/05/23 15:59	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.051		0.050	0.010	mg/L		04/04/23 17:10	04/05/23 13:52	1
Barium	0.67		0.50	0.050	mg/L		04/04/23 17:10	04/05/23 13:52	1
Beryllium	0.0066		0.0040	0.0040	mg/L		04/04/23 17:10	04/05/23 13:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:10	04/05/23 13:52	1
Chromium	0.14		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 13:52	1
Cobalt	0.050		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 13:52	1
Copper	0.12		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 13:52	1
Iron	140		0.40	0.20	mg/L		04/04/23 17:10	04/05/23 13:52	1
Lead	0.059		0.0075	0.0075	mg/L		04/04/23 17:10	04/05/23 13:52	1
Manganese	1.2		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 13:52	1
Nickel	0.15		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 13:52	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:10	04/05/23 13:52	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-19(0-5)-032823

Lab Sample ID: 500-231348-2

Date Collected: 03/28/23 15:20

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 79.2

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 13:52	1
Zinc	0.34	J	0.50	0.020	mg/L		04/04/23 17:10	04/05/23 13:52	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15000		13	5.1	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Antimony	<1.3		1.3	0.24	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Arsenic	6.1		0.63	0.22	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Barium	80	B	0.63	0.072	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Beryllium	0.80	B	0.25	0.059	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Cadmium	0.18	B	0.13	0.023	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Calcium	35000	B	13	2.1	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Chromium	19		0.63	0.31	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Cobalt	10		0.31	0.082	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Copper	18		0.63	0.18	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Iron	18000		13	6.5	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Lead	12		0.31	0.15	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Magnesium	20000		6.3	3.1	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Manganese	240	B	0.63	0.091	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Nickel	26		0.63	0.18	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Potassium	1800		31	11	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Selenium	0.55	J	0.63	0.37	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Silver	0.34		0.31	0.081	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Sodium	1000		63	9.3	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Thallium	0.33	J	0.63	0.31	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Vanadium	29		0.31	0.074	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1
Zinc	52		1.3	0.55	mg/Kg	☆	04/05/23 09:46	04/06/23 18:01	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/04/23 16:50	04/05/23 10:55	1

Method: SW846 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		04/04/23 16:50	04/05/23 09:47	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.020	0.010	mg/Kg	☆	03/31/23 14:20	04/03/23 12:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0		0.2	0.2	SU			04/03/23 18:10	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-19(5-10)-032823

Lab Sample ID: 500-231348-3

Date Collected: 03/28/23 15:25

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 84.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0068	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Bromoform	<0.0016		0.0016	0.00045	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Chlorobenzene	<0.0016		0.0016	0.00057	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Ethylbenzene	<0.0016		0.0016	0.00074	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	✳	03/28/23 17:48	04/04/23 04:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	03/28/23 17:48	04/04/23 04:29	1
Dibromofluoromethane (Surr)	92		75 - 126	03/28/23 17:48	04/04/23 04:29	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	03/28/23 17:48	04/04/23 04:29	1
Toluene-d8 (Surr)	91		75 - 124	03/28/23 17:48	04/04/23 04:29	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.28		0.28	0.060	mg/Kg	✳	04/05/23 14:10	04/06/23 17:41	1
1,2-Dichlorobenzene	<0.28		0.28	0.066	mg/Kg	✳	04/05/23 14:10	04/06/23 17:41	1
1,3-Dichlorobenzene	<0.28		0.28	0.062	mg/Kg	✳	04/05/23 14:10	04/06/23 17:41	1
1,4-Dichlorobenzene	<0.28		0.28	0.071	mg/Kg	✳	04/05/23 14:10	04/06/23 17:41	1
2,2'-oxybis[1-chloropropane]	<0.28		0.28	0.064	mg/Kg	✳	04/05/23 14:10	04/06/23 17:41	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-19(5-10)-032823

Lab Sample ID: 500-231348-3

Date Collected: 03/28/23 15:25

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 84.4

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.55		0.55	0.13	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
2,4,6-Trichlorophenol	<0.55		0.55	0.19	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
2,4-Dichlorophenol	<0.55		0.55	0.13	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
2,4-Dimethylphenol	<0.55		0.55	0.21	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
2,4-Dinitrophenol	<1.1		1.1	0.98	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
2,4-Dinitrotoluene	<0.28		0.28	0.088	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
2,6-Dinitrotoluene	<0.28		0.28	0.11	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
2-Chloronaphthalene	<0.28		0.28	0.061	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
2-Chlorophenol	<0.28		0.28	0.095	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
2-Methylnaphthalene	<0.11		0.11	0.010	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
2-Methylphenol	<0.28		0.28	0.089	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
2-Nitroaniline	<0.28		0.28	0.075	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
2-Nitrophenol	<0.55		0.55	0.13	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
3 & 4 Methylphenol	<0.28		0.28	0.093	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
3,3'-Dichlorobenzidine	<0.28		0.28	0.078	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
3-Nitroaniline	<0.55		0.55	0.17	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
4,6-Dinitro-2-methylphenol	<1.1		1.1	0.45	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
4-Bromophenyl phenyl ether	<0.28		0.28	0.073	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
4-Chloro-3-methylphenol	<0.55		0.55	0.19	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
4-Chloroaniline	<1.1		1.1	0.26	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
4-Chlorophenyl phenyl ether	<0.28		0.28	0.065	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
4-Nitroaniline	<0.55		0.55	0.23	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
4-Nitrophenol	<1.1		1.1	0.53	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Acenaphthene	<0.055		0.055	0.010	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Acenaphthylene	<0.055		0.055	0.0073	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Anthracene	<0.055		0.055	0.0093	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Benzo[a]anthracene	0.012 J		0.055	0.0075	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Benzo[a]pyrene	<0.055		0.055	0.011	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Benzo[b]fluoranthene	<0.055		0.055	0.012	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Benzo[g,h,i]perylene	<0.055		0.055	0.018	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Benzo[k]fluoranthene	<0.055		0.055	0.016	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Bis(2-chloroethoxy)methane	<0.28		0.28	0.057	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Bis(2-chloroethyl)ether	<0.28		0.28	0.083	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Bis(2-ethylhexyl) phthalate	<0.28		0.28	0.10	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Butyl benzyl phthalate	<0.28		0.28	0.11	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Carbazole	<0.28		0.28	0.14	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Chrysene	<0.055		0.055	0.015	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Dibenz(a,h)anthracene	<0.055		0.055	0.011	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Dibenzofuran	<0.28		0.28	0.065	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Diethyl phthalate	<0.28		0.28	0.094	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Dimethyl phthalate	<0.28		0.28	0.072	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Di-n-butyl phthalate	<0.28		0.28	0.085	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Di-n-octyl phthalate	<0.28		0.28	0.091	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Fluoranthene	<0.055		0.055	0.010	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Fluorene	<0.055		0.055	0.0078	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Hexachlorobenzene	<0.11		0.11	0.013	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Hexachlorobutadiene	<0.28		0.28	0.087	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Hexachlorocyclopentadiene	<1.1		1.1	0.32	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1
Hexachloroethane	<0.28		0.28	0.084	mg/Kg	✱	04/05/23 14:10	04/06/23 17:41	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-19(5-10)-032823

Lab Sample ID: 500-231348-3

Date Collected: 03/28/23 15:25

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 84.4

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.055		0.055	0.014	mg/Kg	☼	04/05/23 14:10	04/06/23 17:41	1
Isophorone	<0.28		0.28	0.062	mg/Kg	☼	04/05/23 14:10	04/06/23 17:41	1
Naphthalene	<0.055		0.055	0.0085	mg/Kg	☼	04/05/23 14:10	04/06/23 17:41	1
Nitrobenzene	<0.055		0.055	0.014	mg/Kg	☼	04/05/23 14:10	04/06/23 17:41	1
N-Nitrosodi-n-propylamine	<0.11		0.11	0.068	mg/Kg	☼	04/05/23 14:10	04/06/23 17:41	1
N-Nitrosodiphenylamine	<0.28		0.28	0.065	mg/Kg	☼	04/05/23 14:10	04/06/23 17:41	1
Pentachlorophenol	<1.1		1.1	0.89	mg/Kg	☼	04/05/23 14:10	04/06/23 17:41	1
Phenanthrene	<0.055		0.055	0.0077	mg/Kg	☼	04/05/23 14:10	04/06/23 17:41	1
Phenol	<0.28		0.28	0.12	mg/Kg	☼	04/05/23 14:10	04/06/23 17:41	1
Pyrene	<0.055		0.055	0.011	mg/Kg	☼	04/05/23 14:10	04/06/23 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	68		31 - 143	04/05/23 14:10	04/06/23 17:41	1
2-Fluorobiphenyl (Surr)	77		43 - 145	04/05/23 14:10	04/06/23 17:41	1
2-Fluorophenol (Surr)	69		31 - 166	04/05/23 14:10	04/06/23 17:41	1
Nitrobenzene-d5 (Surr)	72		37 - 147	04/05/23 14:10	04/06/23 17:41	1
Phenol-d5 (Surr)	70		30 - 153	04/05/23 14:10	04/06/23 17:41	1
Terphenyl-d14 (Surr)	82		42 - 157	04/05/23 14:10	04/06/23 17:41	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/23 17:09	04/05/23 16:02	1
Barium	0.43	J	0.50	0.050	mg/L		04/04/23 17:09	04/05/23 16:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/23 17:09	04/05/23 16:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:09	04/05/23 16:02	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:02	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:02	1
Copper	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:02	1
Iron	<0.40		0.40	0.20	mg/L		04/04/23 17:09	04/05/23 16:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/23 17:09	04/05/23 16:02	1
Manganese	2.9		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:02	1
Nickel	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:02	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:09	04/05/23 16:02	1
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:02	1
Zinc	<0.50		0.50	0.020	mg/L		04/04/23 17:09	04/05/23 16:02	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/23 17:10	04/05/23 14:01	1
Barium	0.079	J	0.50	0.050	mg/L		04/04/23 17:10	04/05/23 14:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/23 17:10	04/05/23 14:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:10	04/05/23 14:01	1
Chromium	0.021	J	0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:01	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:01	1
Copper	0.016	J	0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:01	1
Iron	17		0.40	0.20	mg/L		04/04/23 17:10	04/05/23 14:01	1
Lead	0.0097		0.0075	0.0075	mg/L		04/04/23 17:10	04/05/23 14:01	1
Manganese	0.15		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:01	1
Nickel	0.016	J	0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:01	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:10	04/05/23 14:01	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-19(5-10)-032823

Lab Sample ID: 500-231348-3

Date Collected: 03/28/23 15:25

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 84.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:01	1
Zinc	0.075	J ^+	0.50	0.020	mg/L		04/04/23 17:10	04/05/23 14:01	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		11	4.7	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Antimony	<1.1		1.1	0.22	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Arsenic	9.6		0.57	0.20	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Barium	49	B	0.57	0.065	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Beryllium	0.87	B	0.23	0.054	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Cadmium	0.24	B	0.11	0.021	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Calcium	34000	B	11	1.9	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Chromium	18		0.57	0.28	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Cobalt	11		0.29	0.075	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Copper	21		0.57	0.16	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Iron	21000		11	6.0	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Lead	14		0.29	0.13	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Magnesium	17000		5.7	2.8	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Manganese	340	B	0.57	0.083	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Nickel	32		0.57	0.17	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Potassium	2100		29	10	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Silver	0.47		0.29	0.074	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Sodium	150		57	8.5	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Thallium	<0.57		0.57	0.29	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Vanadium	29		0.29	0.068	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1
Zinc	64		1.1	0.50	mg/Kg	☆	04/05/23 09:46	04/06/23 18:04	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/04/23 16:50	04/05/23 10:57	1

Method: SW846 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		04/04/23 16:50	04/05/23 09:49	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.018	0.0096	mg/Kg	☆	03/31/23 14:20	04/03/23 12:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			04/03/23 17:33	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-19(10-15)-032823

Lab Sample ID: 500-231348-4

Date Collected: 03/28/23 15:30

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0089	J	0.016	0.0068	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Bromoform	<0.0016		0.0016	0.00045	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Chlorobenzene	<0.0016		0.0016	0.00057	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Ethylbenzene	<0.0016		0.0016	0.00074	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	✳	03/28/23 17:48	04/04/23 04:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	03/28/23 17:48	04/04/23 04:55	1
Dibromofluoromethane (Surr)	91		75 - 126	03/28/23 17:48	04/04/23 04:55	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	03/28/23 17:48	04/04/23 04:55	1
Toluene-d8 (Surr)	92		75 - 124	03/28/23 17:48	04/04/23 04:55	1

Method: SW846 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	✳	04/05/23 14:10	04/06/23 21:47	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	04/05/23 14:10	04/06/23 21:47	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✳	04/05/23 14:10	04/06/23 21:47	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✳	04/05/23 14:10	04/06/23 21:47	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✳	04/05/23 14:10	04/06/23 21:47	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-19(10-15)-032823

Lab Sample ID: 500-231348-4

Date Collected: 03/28/23 15:30

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.5

Method: SW846 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	✱	04/05/23 14:10	04/06/23 21:47	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✱	04/05/23 14:10	04/06/23 21:47	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-19(10-15)-032823

Lab Sample ID: 500-231348-4

Date Collected: 03/28/23 15:30

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.5

Method: SW846 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	☼	04/05/23 14:10	04/06/23 21:47	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/05/23 14:10	04/06/23 21:47	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/05/23 14:10	04/06/23 21:47	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/05/23 14:10	04/06/23 21:47	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/05/23 14:10	04/06/23 21:47	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/05/23 14:10	04/06/23 21:47	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	04/05/23 14:10	04/06/23 21:47	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	04/05/23 14:10	04/06/23 21:47	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/05/23 14:10	04/06/23 21:47	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	04/05/23 14:10	04/06/23 21:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	43		31 - 143	04/05/23 14:10	04/06/23 21:47	1
2-Fluorobiphenyl (Surr)	64		43 - 145	04/05/23 14:10	04/06/23 21:47	1
2-Fluorophenol (Surr)	60		31 - 166	04/05/23 14:10	04/06/23 21:47	1
Nitrobenzene-d5 (Surr)	60		37 - 147	04/05/23 14:10	04/06/23 21:47	1
Phenol-d5 (Surr)	59		30 - 153	04/05/23 14:10	04/06/23 21:47	1
Terphenyl-d14 (Surr)	72		42 - 157	04/05/23 14:10	04/06/23 21:47	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/23 17:09	04/05/23 16:54	1
Barium	0.49	J	0.50	0.050	mg/L		04/04/23 17:09	04/05/23 16:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/23 17:09	04/05/23 16:54	1
Cadmium	0.0033	J	0.0050	0.0020	mg/L		04/04/23 17:09	04/05/23 16:54	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:54	1
Cobalt	0.042		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:54	1
Copper	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:54	1
Iron	0.27	J	0.40	0.20	mg/L		04/04/23 17:09	04/05/23 16:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/23 17:09	04/05/23 16:54	1
Manganese	5.4		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:54	1
Nickel	0.029		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:54	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:09	04/05/23 16:54	1
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:54	1
Zinc	<0.50		0.50	0.020	mg/L		04/04/23 17:09	04/05/23 16:54	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	J	0.050	0.010	mg/L		04/04/23 17:10	04/05/23 14:05	1
Barium	0.21	J	0.50	0.050	mg/L		04/04/23 17:10	04/05/23 14:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/23 17:10	04/05/23 14:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:10	04/05/23 14:05	1
Chromium	0.054		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:05	1
Cobalt	0.015	J	0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:05	1
Copper	0.041		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:05	1
Iron	45		0.40	0.20	mg/L		04/04/23 17:10	04/05/23 14:05	1
Lead	0.026		0.0075	0.0075	mg/L		04/04/23 17:10	04/05/23 14:05	1
Manganese	0.43		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:05	1
Nickel	0.044		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:05	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:10	04/05/23 14:05	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-19(10-15)-032823

Lab Sample ID: 500-231348-4

Date Collected: 03/28/23 15:30

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.5

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:05	1
Zinc	0.12	J ^+	0.50	0.020	mg/L		04/04/23 17:10	04/05/23 14:05	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		12	4.7	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Arsenic	8.1		0.58	0.20	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Barium	58	B	0.58	0.066	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Beryllium	0.78	B	0.23	0.054	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Cadmium	0.20	B	0.12	0.021	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Calcium	65000	B	58	9.8	mg/Kg	☆	04/05/23 09:46	04/07/23 14:00	5
Chromium	16		0.58	0.29	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Cobalt	12		0.29	0.076	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Copper	18		0.58	0.16	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Iron	19000		12	6.0	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Lead	13		0.29	0.13	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Magnesium	25000		5.8	2.9	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Manganese	340	B	0.58	0.084	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Nickel	28		0.58	0.17	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Potassium	2300		29	10	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Silver	0.32		0.29	0.075	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Sodium	210		58	8.6	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Thallium	0.36	J	0.58	0.29	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Vanadium	23		0.29	0.068	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1
Zinc	56		1.2	0.51	mg/Kg	☆	04/05/23 09:46	04/06/23 18:07	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/04/23 16:50	04/05/23 11:45	1

Method: SW846 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		04/04/23 16:50	04/05/23 09:51	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.019	0.010	mg/Kg	☆	03/31/23 14:20	04/03/23 12:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			04/03/23 17:36	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-19(10-15)-032823D

Lab Sample ID: 500-231348-5

Date Collected: 03/28/23 15:30

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 86.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0092	J	0.015	0.0065	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Carbon disulfide	<0.0037		0.0037	0.00077	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Ethylbenzene	<0.0015		0.0015	0.00071	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0017	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☼	03/28/23 17:48	04/04/23 05:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 131	03/28/23 17:48	04/04/23 05:20	1
Dibromofluoromethane (Surr)	92		75 - 126	03/28/23 17:48	04/04/23 05:20	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	03/28/23 17:48	04/04/23 05:20	1
Toluene-d8 (Surr)	91		75 - 124	03/28/23 17:48	04/04/23 05:20	1

Method: SW846 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	☼	04/05/23 14:10	04/06/23 19:33	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-19(10-15)-032823D

Lab Sample ID: 500-231348-5

Date Collected: 03/28/23 15:30

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 86.3

Method: SW846 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	☼	04/05/23 14:10	04/06/23 19:33	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-19(10-15)-032823D

Lab Sample ID: 500-231348-5

Date Collected: 03/28/23 15:30

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 86.3

Method: SW846 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	☼	04/05/23 14:10	04/06/23 19:33	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	04/05/23 14:10	04/06/23 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	55		31 - 143	04/05/23 14:10	04/06/23 19:33	1
2-Fluorobiphenyl (Surr)	59		43 - 145	04/05/23 14:10	04/06/23 19:33	1
2-Fluorophenol (Surr)	55		31 - 166	04/05/23 14:10	04/06/23 19:33	1
Nitrobenzene-d5 (Surr)	56		37 - 147	04/05/23 14:10	04/06/23 19:33	1
Phenol-d5 (Surr)	60		30 - 153	04/05/23 14:10	04/06/23 19:33	1
Terphenyl-d14 (Surr)	76		42 - 157	04/05/23 14:10	04/06/23 19:33	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/23 17:09	04/05/23 16:57	1
Barium	0.31	J	0.50	0.050	mg/L		04/04/23 17:09	04/05/23 16:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/23 17:09	04/05/23 16:57	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		04/04/23 17:09	04/05/23 16:57	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:57	1
Cobalt	0.029		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:57	1
Copper	0.015	J	0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:57	1
Iron	0.41		0.40	0.20	mg/L		04/04/23 17:09	04/05/23 16:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/23 17:09	04/05/23 16:57	1
Manganese	3.9		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:57	1
Nickel	0.026		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:57	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:09	04/05/23 16:57	1
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:57	1
Zinc	0.032	J	0.50	0.020	mg/L		04/04/23 17:09	04/05/23 16:57	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.021	J	0.050	0.010	mg/L		04/04/23 17:10	04/05/23 14:08	1
Barium	0.33	J	0.50	0.050	mg/L		04/04/23 17:10	04/05/23 14:08	1
Beryllium	0.0044		0.0040	0.0040	mg/L		04/04/23 17:10	04/05/23 14:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:10	04/05/23 14:08	1
Chromium	0.089		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:08	1
Cobalt	0.026		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:08	1
Copper	0.079		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:08	1
Iron	77		0.40	0.20	mg/L		04/04/23 17:10	04/05/23 14:08	1
Lead	0.047		0.0075	0.0075	mg/L		04/04/23 17:10	04/05/23 14:08	1
Manganese	0.61		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:08	1
Nickel	0.082		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:08	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:10	04/05/23 14:08	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-19(10-15)-032823D

Lab Sample ID: 500-231348-5

Date Collected: 03/28/23 15:30

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 86.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:08	1
Zinc	0.20	J ^+	0.50	0.020	mg/L		04/04/23 17:10	04/05/23 14:08	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		11	4.4	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Antimony	0.25	J	1.1	0.21	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Arsenic	5.2		0.54	0.19	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Barium	62	B	0.54	0.062	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Beryllium	0.66	B	0.22	0.051	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Cadmium	0.20	B	0.11	0.020	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Calcium	64000	B	54	9.2	mg/Kg	☆	04/05/23 09:46	04/07/23 14:04	5
Chromium	15		0.54	0.27	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Cobalt	8.8		0.27	0.071	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Copper	16		0.54	0.15	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Iron	16000		11	5.6	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Lead	12		0.27	0.13	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Magnesium	24000		5.4	2.7	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Manganese	310	B	0.54	0.079	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Nickel	22		0.54	0.16	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Potassium	1600		27	9.6	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Selenium	<0.54		0.54	0.32	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Silver	0.34		0.27	0.070	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Sodium	190		54	8.0	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Thallium	<0.54		0.54	0.27	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Vanadium	22		0.27	0.064	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1
Zinc	48		1.1	0.48	mg/Kg	☆	04/05/23 09:46	04/06/23 18:17	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/04/23 16:50	04/05/23 11:47	1

Method: SW846 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		04/04/23 16:50	04/05/23 09:53	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.018	0.0095	mg/Kg	☆	03/31/23 14:20	04/03/23 12:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/03/23 17:38	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(0-5)-032823

Lab Sample ID: 500-231348-6

Date Collected: 03/28/23 15:45

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.013	J	0.015	0.0067	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Carbon disulfide	<0.0038		0.0038	0.00080	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Chlorobenzene	<0.0015		0.0015	0.00057	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	✳	03/28/23 17:48	04/04/23 05:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		75 - 131	03/28/23 17:48	04/04/23 05:46	1
Dibromofluoromethane (Surr)	93		75 - 126	03/28/23 17:48	04/04/23 05:46	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/28/23 17:48	04/04/23 05:46	1
Toluene-d8 (Surr)	91		75 - 124	03/28/23 17:48	04/04/23 05:46	1

Method: SW846 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	✳	04/05/23 14:10	04/06/23 22:09	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(0-5)-032823

Lab Sample ID: 500-231348-6

Date Collected: 03/28/23 15:45

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.9

Method: SW846 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	✳	04/05/23 14:10	04/06/23 22:09	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Benzo[g,h,i]perylene	0.012	J	0.038	0.012	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Fluoranthene	0.0078	J	0.038	0.0071	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(0-5)-032823

Lab Sample ID: 500-231348-6

Date Collected: 03/28/23 15:45

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.9

Method: SW846 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	☼	04/05/23 14:10	04/06/23 22:09	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1
Phenanthrene	0.020	J	0.038	0.0053	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1
Pyrene	0.0089	J	0.038	0.0076	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	48		31 - 143	04/05/23 14:10	04/06/23 22:09	1
2-Fluorobiphenyl (Surr)	60		43 - 145	04/05/23 14:10	04/06/23 22:09	1
2-Fluorophenol (Surr)	55		31 - 166	04/05/23 14:10	04/06/23 22:09	1
Nitrobenzene-d5 (Surr)	54		37 - 147	04/05/23 14:10	04/06/23 22:09	1
Phenol-d5 (Surr)	58		30 - 153	04/05/23 14:10	04/06/23 22:09	1
Terphenyl-d14 (Surr)	70		42 - 157	04/05/23 14:10	04/06/23 22:09	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/23 17:09	04/05/23 17:01	1
Barium	0.44	J	0.50	0.050	mg/L		04/04/23 17:09	04/05/23 17:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/23 17:09	04/05/23 17:01	1
Cadmium	0.0030	J	0.0050	0.0020	mg/L		04/04/23 17:09	04/05/23 17:01	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 17:01	1
Cobalt	0.050		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 17:01	1
Copper	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 17:01	1
Iron	<0.40		0.40	0.20	mg/L		04/04/23 17:09	04/05/23 17:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/23 17:09	04/05/23 17:01	1
Manganese	6.2		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 17:01	1
Nickel	0.028		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 17:01	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:09	04/05/23 17:01	1
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 17:01	1
Zinc	<0.50		0.50	0.020	mg/L		04/04/23 17:09	04/05/23 17:01	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.070		0.050	0.010	mg/L		04/04/23 17:10	04/05/23 14:11	1
Barium	0.64		0.50	0.050	mg/L		04/04/23 17:10	04/05/23 14:11	1
Beryllium	0.0085		0.0040	0.0040	mg/L		04/04/23 17:10	04/05/23 14:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:10	04/05/23 14:11	1
Chromium	0.16		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:11	1
Cobalt	0.079		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:11	1
Copper	0.21		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:11	1
Iron	170		0.40	0.20	mg/L		04/04/23 17:10	04/05/23 14:11	1
Lead	0.12		0.0075	0.0075	mg/L		04/04/23 17:10	04/05/23 14:11	1
Manganese	2.1		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:11	1
Nickel	0.20		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:11	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:10	04/05/23 14:11	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(0-5)-032823

Lab Sample ID: 500-231348-6

Date Collected: 03/28/23 15:45

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:11	1
Zinc	0.48	J ^+	0.50	0.020	mg/L		04/04/23 17:10	04/05/23 14:11	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		11	4.5	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Antimony	<1.1		1.1	0.22	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Arsenic	6.5		0.56	0.19	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Barium	53	B	0.56	0.063	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Beryllium	0.69	B	0.22	0.052	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Cadmium	0.20	B	0.11	0.020	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Calcium	70000	B	56	9.4	mg/Kg	☆	04/05/23 09:46	04/07/23 14:07	5
Chromium	15		0.56	0.28	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Cobalt	11		0.28	0.073	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Copper	19		0.56	0.16	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Iron	18000		11	5.8	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Lead	14		0.28	0.13	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Magnesium	27000		5.6	2.8	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Manganese	380	B	0.56	0.081	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Nickel	27		0.56	0.16	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Potassium	2200		28	9.8	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Silver	0.36		0.28	0.072	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Sodium	1200		56	8.2	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Vanadium	21		0.28	0.066	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Zinc	53		1.1	0.49	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/04/23 16:50	04/05/23 11:49	1

Method: SW846 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		04/04/23 16:50	04/05/23 09:55	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.018	0.0096	mg/Kg	☆	03/31/23 14:20	04/03/23 12:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/03/23 17:43	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(5-10)-032823

Lab Sample ID: 500-231348-7

Date Collected: 03/28/23 15:50

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.012	J	0.016	0.0071	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Carbon disulfide	<0.0041		0.0041	0.00084	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☼	03/28/23 17:48	04/04/23 06:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	03/28/23 17:48	04/04/23 06:12	1
Dibromofluoromethane (Surr)	93		75 - 126	03/28/23 17:48	04/04/23 06:12	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	03/28/23 17:48	04/04/23 06:12	1
Toluene-d8 (Surr)	91		75 - 124	03/28/23 17:48	04/04/23 06:12	1

Method: SW846 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	☼	04/05/23 14:10	04/06/23 20:40	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(5-10)-032823

Lab Sample ID: 500-231348-7

Date Collected: 03/28/23 15:50

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.1

Method: SW846 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	✳	04/05/23 14:10	04/06/23 20:40	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Chrysene	<0.037		0.037	0.010	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(5-10)-032823

Lab Sample ID: 500-231348-7

Date Collected: 03/28/23 15:50

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.1

Method: SW846 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	☼	04/05/23 14:10	04/06/23 20:40	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Pyrene	<0.037		0.037	0.0075	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	62		31 - 143	04/05/23 14:10	04/06/23 20:40	1
2-Fluorobiphenyl (Surr)	73		43 - 145	04/05/23 14:10	04/06/23 20:40	1
2-Fluorophenol (Surr)	69		31 - 166	04/05/23 14:10	04/06/23 20:40	1
Nitrobenzene-d5 (Surr)	68		37 - 147	04/05/23 14:10	04/06/23 20:40	1
Phenol-d5 (Surr)	75		30 - 153	04/05/23 14:10	04/06/23 20:40	1
Terphenyl-d14 (Surr)	85		42 - 157	04/05/23 14:10	04/06/23 20:40	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/23 17:09	04/05/23 16:06	1
Barium	0.64		0.50	0.050	mg/L		04/04/23 17:09	04/05/23 16:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/23 17:09	04/05/23 16:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:09	04/05/23 16:06	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:06	1
Cobalt	0.010	J	0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:06	1
Copper	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:06	1
Iron	<0.40		0.40	0.20	mg/L		04/04/23 17:09	04/05/23 16:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/23 17:09	04/05/23 16:06	1
Manganese	4.5		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:06	1
Nickel	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:06	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:09	04/05/23 16:06	1
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:06	1
Zinc	<0.50		0.50	0.020	mg/L		04/04/23 17:09	04/05/23 16:06	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.036	J	0.050	0.010	mg/L		04/04/23 17:10	04/05/23 14:14	1
Barium	0.43	J	0.50	0.050	mg/L		04/04/23 17:10	04/05/23 14:14	1
Beryllium	0.0048		0.0040	0.0040	mg/L		04/04/23 17:10	04/05/23 14:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:10	04/05/23 14:14	1
Chromium	0.095		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:14	1
Cobalt	0.038		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:14	1
Copper	0.087		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:14	1
Iron	93		0.40	0.20	mg/L		04/04/23 17:10	04/05/23 14:14	1
Lead	0.050		0.0075	0.0075	mg/L		04/04/23 17:10	04/05/23 14:14	1
Manganese	0.96		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:14	1
Nickel	0.097		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:14	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:10	04/05/23 14:14	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(5-10)-032823

Lab Sample ID: 500-231348-7

Date Collected: 03/28/23 15:50

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:14	1
Zinc	0.22	J ^+	0.50	0.020	mg/L		04/04/23 17:10	04/05/23 14:14	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		11	4.6	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Antimony	0.22	J	1.1	0.22	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Arsenic	7.4		0.56	0.19	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Barium	100	B	0.56	0.064	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Beryllium	0.83	B	0.23	0.053	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Cadmium	0.27	B	0.11	0.020	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Calcium	8500	B	11	1.9	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Chromium	18		0.56	0.28	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Cobalt	13		0.28	0.074	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Copper	17		0.56	0.16	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Iron	19000		11	5.9	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Lead	15		0.28	0.13	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Magnesium	7000		5.6	2.8	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Manganese	200	B	0.56	0.082	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Nickel	25		0.56	0.16	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Potassium	1200		28	10	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Silver	0.57		0.28	0.073	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Sodium	530		56	8.3	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Vanadium	31		0.28	0.067	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Zinc	62		1.1	0.49	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/04/23 16:50	04/05/23 10:59	1

Method: SW846 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		04/04/23 16:50	04/05/23 09:58	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.019	0.010	mg/Kg	☆	03/31/23 14:20	04/03/23 12:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/03/23 17:45	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(10-15)-032823

Lab Sample ID: 500-231348-8

Date Collected: 03/28/23 15:55

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 84.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0064	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Benzene	<0.0015		0.0015	0.00037	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Bromomethane	<0.0036		0.0036	0.0014	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Carbon disulfide	<0.0036		0.0036	0.00076	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Carbon tetrachloride	<0.0015		0.0015	0.00042	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Chlorobenzene	<0.0015		0.0015	0.00054	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Chloromethane	<0.0036		0.0036	0.0015	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00044	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
1,1-Dichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
1,1-Dichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Ethylbenzene	<0.0015		0.0015	0.00070	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Styrene	<0.0015		0.0015	0.00044	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00065	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Trichloroethene	<0.0015		0.0015	0.00049	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Vinyl chloride	<0.0015		0.0015	0.00065	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Xylenes, Total	<0.0029		0.0029	0.00047	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 131	03/28/23 17:48	04/04/23 06:38	1
Dibromofluoromethane (Surr)	93		75 - 126	03/28/23 17:48	04/04/23 06:38	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	03/28/23 17:48	04/04/23 06:38	1
Toluene-d8 (Surr)	90		75 - 124	03/28/23 17:48	04/04/23 06:38	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.28		0.28	0.060	mg/Kg	☆	04/05/23 14:10	04/06/23 22:31	1
1,2-Dichlorobenzene	<0.28		0.28	0.067	mg/Kg	☆	04/05/23 14:10	04/06/23 22:31	1
1,3-Dichlorobenzene	<0.28		0.28	0.063	mg/Kg	☆	04/05/23 14:10	04/06/23 22:31	1
1,4-Dichlorobenzene	<0.28		0.28	0.072	mg/Kg	☆	04/05/23 14:10	04/06/23 22:31	1
2,2'-oxybis[1-chloropropane]	<0.28		0.28	0.065	mg/Kg	☆	04/05/23 14:10	04/06/23 22:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(10-15)-032823

Lab Sample ID: 500-231348-8

Date Collected: 03/28/23 15:55

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 84.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.56		0.56	0.13	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2,4,6-Trichlorophenol	<0.56		0.56	0.19	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2,4-Dichlorophenol	<0.56		0.56	0.13	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2,4-Dimethylphenol	<0.56		0.56	0.21	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2,4-Dinitrophenol	<1.1		1.1	0.99	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2,4-Dinitrotoluene	<0.28		0.28	0.089	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2,6-Dinitrotoluene	<0.28		0.28	0.11	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2-Chloronaphthalene	<0.28		0.28	0.062	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2-Chlorophenol	<0.28		0.28	0.096	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2-Methylnaphthalene	<0.11		0.11	0.010	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2-Methylphenol	<0.28		0.28	0.090	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2-Nitroaniline	<0.28		0.28	0.075	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2-Nitrophenol	<0.56		0.56	0.13	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
3 & 4 Methylphenol	<0.28		0.28	0.094	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
3,3'-Dichlorobenzidine	<0.28		0.28	0.078	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
3-Nitroaniline	<0.56		0.56	0.17	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
4,6-Dinitro-2-methylphenol	<1.1		1.1	0.45	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
4-Bromophenyl phenyl ether	<0.28		0.28	0.074	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
4-Chloro-3-methylphenol	<0.56		0.56	0.19	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
4-Chloroaniline	<1.1		1.1	0.26	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
4-Chlorophenyl phenyl ether	<0.28		0.28	0.065	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
4-Nitroaniline	<0.56		0.56	0.23	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
4-Nitrophenol	<1.1		1.1	0.53	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Acenaphthene	<0.056		0.056	0.010	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Acenaphthylene	<0.056		0.056	0.0074	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Anthracene	<0.056		0.056	0.0094	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Benzo[a]anthracene	<0.056		0.056	0.0075	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Benzo[a]pyrene	<0.056		0.056	0.011	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Benzo[b]fluoranthene	<0.056		0.056	0.012	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Benzo[g,h,i]perylene	<0.056		0.056	0.018	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Benzo[k]fluoranthene	<0.056		0.056	0.017	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Bis(2-chloroethoxy)methane	<0.28		0.28	0.057	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Bis(2-chloroethyl)ether	<0.28		0.28	0.084	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Bis(2-ethylhexyl) phthalate	<0.28		0.28	0.10	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Butyl benzyl phthalate	<0.28		0.28	0.11	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Carbazole	<0.28		0.28	0.14	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Chrysene	<0.056		0.056	0.015	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Dibenz(a,h)anthracene	<0.056		0.056	0.011	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Dibenzofuran	<0.28		0.28	0.066	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Diethyl phthalate	<0.28		0.28	0.095	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Dimethyl phthalate	<0.28		0.28	0.073	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Di-n-butyl phthalate	<0.28		0.28	0.085	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Di-n-octyl phthalate	<0.28		0.28	0.091	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Fluoranthene	<0.056		0.056	0.010	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Fluorene	<0.056		0.056	0.0079	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Hexachlorobenzene	<0.11		0.11	0.013	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Hexachlorobutadiene	<0.28		0.28	0.088	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Hexachlorocyclopentadiene	<1.1		1.1	0.32	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Hexachloroethane	<0.28		0.28	0.085	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(10-15)-032823

Lab Sample ID: 500-231348-8

Date Collected: 03/28/23 15:55

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 84.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.056		0.056	0.015	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
Isophorone	<0.28		0.28	0.063	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
Naphthalene	<0.056		0.056	0.0086	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
Nitrobenzene	<0.056		0.056	0.014	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
N-Nitrosodi-n-propylamine	<0.11		0.11	0.069	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
N-Nitrosodiphenylamine	<0.28		0.28	0.066	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
Pentachlorophenol	<1.1		1.1	0.90	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
Phenanthrene	<0.056		0.056	0.0078	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
Phenol	<0.28		0.28	0.12	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
Pyrene	<0.056		0.056	0.011	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	67		31 - 143	04/05/23 14:10	04/06/23 22:31	1
2-Fluorobiphenyl (Surr)	60		43 - 145	04/05/23 14:10	04/06/23 22:31	1
2-Fluorophenol (Surr)	50		31 - 166	04/05/23 14:10	04/06/23 22:31	1
Nitrobenzene-d5 (Surr)	46		37 - 147	04/05/23 14:10	04/06/23 22:31	1
Phenol-d5 (Surr)	63		30 - 153	04/05/23 14:10	04/06/23 22:31	1
Terphenyl-d14 (Surr)	88		42 - 157	04/05/23 14:10	04/06/23 22:31	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/23 17:09	04/05/23 16:09	1
Barium	0.57		0.50	0.050	mg/L		04/04/23 17:09	04/05/23 16:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/23 17:09	04/05/23 16:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:09	04/05/23 16:09	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:09	1
Cobalt	0.011	J	0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:09	1
Copper	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:09	1
Iron	0.21	J	0.40	0.20	mg/L		04/04/23 17:09	04/05/23 16:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/23 17:09	04/05/23 16:09	1
Manganese	4.2		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:09	1
Nickel	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:09	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:09	04/05/23 16:09	1
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:09	1
Zinc	<0.50		0.50	0.020	mg/L		04/04/23 17:09	04/05/23 16:09	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.028	J	0.050	0.010	mg/L		04/04/23 17:10	04/05/23 14:26	1
Barium	0.41	J	0.50	0.050	mg/L		04/04/23 17:10	04/05/23 14:26	1
Beryllium	0.0047		0.0040	0.0040	mg/L		04/04/23 17:10	04/05/23 14:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:10	04/05/23 14:26	1
Chromium	0.090		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:26	1
Cobalt	0.033		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:26	1
Copper	0.073		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:26	1
Iron	86		0.40	0.20	mg/L		04/04/23 17:10	04/05/23 14:26	1
Lead	0.040		0.0075	0.0075	mg/L		04/04/23 17:10	04/05/23 14:26	1
Manganese	0.89		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:26	1
Nickel	0.086		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:26	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:10	04/05/23 14:26	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(10-15)-032823

Lab Sample ID: 500-231348-8

Date Collected: 03/28/23 15:55

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 84.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:26	1
Zinc	0.20	J ^+	0.50	0.020	mg/L		04/04/23 17:10	04/05/23 14:26	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		11	4.6	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Antimony	<1.1		1.1	0.22	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Arsenic	6.6		0.56	0.19	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Barium	46	B	0.56	0.064	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Beryllium	0.66	B	0.23	0.053	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Cadmium	0.24	B	0.11	0.020	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Calcium	32000	B	11	1.9	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Chromium	14		0.56	0.28	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Cobalt	9.2		0.28	0.074	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Copper	19		0.56	0.16	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Iron	17000		11	5.9	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Lead	13		0.28	0.13	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Magnesium	19000		5.6	2.8	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Manganese	290	B	0.56	0.082	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Nickel	23		0.56	0.16	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Potassium	1400		28	10	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Silver	0.37		0.28	0.073	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Sodium	340		56	8.4	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Vanadium	22		0.28	0.067	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Zinc	56		1.1	0.50	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/04/23 16:50	04/05/23 11:01	1

Method: SW846 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		04/04/23 16:50	04/05/23 10:23	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.010	mg/Kg	☆	03/31/23 14:20	04/03/23 12:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/03/23 17:48	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

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
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
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
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 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.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record 640958



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

500-231348 COC

TAL-8210

Client Contact		Project Manager <i>A. Steeles</i>		Site Contact <i>C. Pace</i>		Date <i>3-28-23</i>																																																																																																																															
Company Name <i>Weston Solutions</i>		Tel/Email		Lab Contact <i>R. Wright</i>		Carrier <i>3 of 3 COCs</i>																																																																																																																															
Address <i>300 Knightsbridge Pkwy</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day																																																																																																																																			
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<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sample Identification</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=Grab)</th> <th>Matrix</th> <th># of Cont.</th> <th>Filtered Sample (Y/N)</th> <th>Perform MS / MSD (Y/N)</th> <th>VOCs</th> <th>SIOC</th> <th>Total Metals</th> <th>Trace/SPEC Metals</th> <th>pH</th> <th>Sample Specific Notes</th> </tr> </thead> <tbody> <tr> <td><i>1 ROW-18(10-15)-032823</i></td> <td><i>3-28-23</i></td> <td><i>1500</i></td> <td><i>G</i></td> <td><i>S</i></td> <td><i>6</i></td> <td><i>X</i></td> <td><i>X</i></td> <td><i>X</i></td> <td><i>X</i></td> <td><i>X</i></td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>2 ROW-19(0-5)-032823</i></td> <td></td> <td><i>1520</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>3 ROW-19(5-10)-032823</i></td> <td></td> <td><i>1525</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>4 ROW-19(10-15)-032823</i></td> <td></td> <td><i>1530</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>5 ROW-19(10-15)-032823D</i></td> <td></td> <td><i>1530</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>6 ROW-20(0-5)-032823</i></td> <td></td> <td><i>1545</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>7 ROW-20(5-10)-032823</i></td> <td></td> <td><i>1550</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>8 ROW-20(10-15)-032823</i></td> <td></td> <td><i>1555</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	SIOC	Total Metals	Trace/SPEC Metals	pH	Sample Specific Notes	<i>1 ROW-18(10-15)-032823</i>	<i>3-28-23</i>	<i>1500</i>	<i>G</i>	<i>S</i>	<i>6</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>				<i>2 ROW-19(0-5)-032823</i>		<i>1520</i>												<i>3 ROW-19(5-10)-032823</i>		<i>1525</i>												<i>4 ROW-19(10-15)-032823</i>		<i>1530</i>												<i>5 ROW-19(10-15)-032823D</i>		<i>1530</i>												<i>6 ROW-20(0-5)-032823</i>		<i>1545</i>												<i>7 ROW-20(5-10)-032823</i>		<i>1550</i>												<i>8 ROW-20(10-15)-032823</i>		<i>1555</i>											
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Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other																																																																																																																																					
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months																																																																																																																																	
Special Instructions/QC Requirements & Comments: <div style="text-align: right; margin-right: 100px;"><i>A-9+38</i></div>																																																																																																																																					
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd		Therm ID No																																																																																																																															
Relinquished by <i>[Signature]</i>		Company <i>WS</i>		Date/Time <i>3-28-23/1600</i>		Received by <i>[Signature]</i>																																																																																																																															
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Relinquished by <i>[Signature]</i>		Company		Date/Time		Received in Laboratory by																																																																																																																															



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/21/2023 4:45:56 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231932-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231932-1	ROW-24(0-5)-040723	Solid	04/07/23 08:00	04/07/23 16:57
500-231932-2	ROW-22(0-5)-040723	Solid	04/07/23 08:15	04/07/23 16:57
500-231932-3	ROW-21(0-5)-040723	Solid	04/07/23 08:40	04/07/23 16:57
500-231932-4	ROW-21(5-10)-040723	Solid	04/07/23 08:45	04/07/23 16:57
500-231932-5	ROW-21(10-15)-040723	Solid	04/07/23 08:50	04/07/23 16:57
500-231932-6	ROW-21(15-18)-040723	Solid	04/07/23 08:55	04/07/23 16:57
500-231932-7	ROW-23(0-5)-040723	Solid	04/07/23 09:00	04/07/23 16:57
500-231932-8	ROW-25(0-5)-040723	Solid	04/07/23 09:20	04/07/23 16:57
500-231932-9	ROW-25(5-10)-040723	Solid	04/07/23 09:25	04/07/23 16:57
500-231932-10	ROW-26(0-5)-040723	Solid	04/07/23 09:40	04/07/23 16:57
500-231932-11	ROW-27(0-5)-040723	Solid	04/07/23 09:55	04/07/23 16:57
500-231932-12	ROW-27(0-5)-040723D	Solid	04/07/23 09:55	04/07/23 16:57
500-231932-13	ROW-28(0-5)-040723	Solid	04/07/23 10:20	04/07/23 16:57
500-231932-14	ROW-29(0-5)-040723	Solid	04/07/23 10:40	04/07/23 16:57
500-231932-15	ROW-29(5-10)-040723	Solid	04/07/23 10:45	04/07/23 16:57
500-231932-16	RC-3(0-5)-040723	Solid	04/07/23 10:50	04/07/23 16:57
500-231932-17	RC-3(5-10)-040723	Solid	04/07/23 10:55	04/07/23 16:57
500-231932-18	RC-3(10-15)-040723	Solid	04/07/23 11:00	04/07/23 16:57
500-231932-19	ROW-30(0-5)-040723	Solid	04/07/23 11:50	04/07/23 16:57
500-231932-20	ROW-31(0-5)-040723	Solid	04/07/23 12:00	04/07/23 16:57

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-22(0-5)-040723

Lab Sample ID: 500-231932-2

Date Collected: 04/07/23 08:15

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0085	J	0.015	0.0067	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Carbon disulfide	<0.0039		0.0039	0.00080	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Carbon tetrachloride	<0.0015		0.0015	0.00045	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Chlorobenzene	<0.0015		0.0015	0.00057	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Chloroethane	<0.0039		0.0039	0.0011	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Chloroform	<0.0015		0.0015	0.00054	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Chloromethane	<0.0039		0.0039	0.0015	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
1,1-Dichloroethane	<0.0015		0.0015	0.00053	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Ethylbenzene	<0.0015		0.0015	0.00074	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
methyl isobutyl ketone	<0.0039		0.0039	0.0011	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Styrene	<0.0015		0.0015	0.00047	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Tetrachloroethene	<0.0015		0.0015	0.00053	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	☼	04/08/23 12:30	04/17/23 12:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 131	04/08/23 12:30	04/17/23 12:44	1
Dibromofluoromethane (Surr)	104		75 - 126	04/08/23 12:30	04/17/23 12:44	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	04/08/23 12:30	04/17/23 12:44	1
Toluene-d8 (Surr)	107		75 - 124	04/08/23 12:30	04/17/23 12:44	1

Method: SW846 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	☼	04/17/23 14:10	04/18/23 16:11	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-22(0-5)-040723

Lab Sample ID: 500-231932-2

Date Collected: 04/07/23 08:15

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.6

Method: SW846 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	☼	04/17/23 14:10	04/18/23 16:11	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
2,4-Dichlorophenol	<0.37		0.37	0.090	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Benzo[a]anthracene	<0.037	*	0.037	0.0051	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-22(0-5)-040723

Lab Sample ID: 500-231932-2

Date Collected: 04/07/23 08:15

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.6

Method: SW846 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	☼	04/17/23 14:10	04/18/23 16:11	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Phenanthrene	<0.037		0.037	0.0053	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1
Pyrene	<0.037		0.037	0.0075	mg/Kg	☼	04/17/23 14:10	04/18/23 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	64		31 - 143	04/17/23 14:10	04/18/23 16:11	1
2-Fluorobiphenyl (Surr)	81		43 - 145	04/17/23 14:10	04/18/23 16:11	1
2-Fluorophenol (Surr)	89		31 - 166	04/17/23 14:10	04/18/23 16:11	1
Nitrobenzene-d5 (Surr)	105		37 - 147	04/17/23 14:10	04/18/23 16:11	1
Phenol-d5 (Surr)	90		30 - 153	04/17/23 14:10	04/18/23 16:11	1
Terphenyl-d14 (Surr)	77		42 - 157	04/17/23 14:10	04/18/23 16:11	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 08:09	04/12/23 21:12	1
Barium	0.36	J	0.50	0.050	mg/L		04/12/23 08:09	04/12/23 21:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 08:09	04/12/23 21:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 08:09	04/12/23 21:12	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:12	1
Cobalt	0.047		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:12	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:12	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 08:09	04/12/23 21:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 08:09	04/12/23 21:12	1
Manganese	4.2		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:12	1
Nickel	0.046		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:12	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 08:09	04/12/23 21:12	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:12	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 08:09	04/12/23 21:12	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.029	J	0.050	0.010	mg/L		04/11/23 17:12	04/14/23 14:17	1
Barium	0.34	J	0.50	0.050	mg/L		04/11/23 17:12	04/14/23 14:17	1
Beryllium	0.0066		0.0040	0.0040	mg/L		04/11/23 17:12	04/14/23 14:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/23 17:12	04/14/23 14:17	1
Chromium	0.085		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:17	1
Cobalt	0.042		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:17	1
Copper	0.085		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:17	1
Iron	83		0.40	0.20	mg/L		04/11/23 17:12	04/14/23 14:17	1
Lead	0.13		0.0075	0.0075	mg/L		04/11/23 17:12	04/14/23 14:17	1
Manganese	0.87		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:17	1
Nickel	0.10		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:17	1
Selenium	<0.050		0.050	0.020	mg/L		04/11/23 17:12	04/14/23 14:17	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-22(0-5)-040723

Lab Sample ID: 500-231932-2

Date Collected: 04/07/23 08:15

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:17	1
Zinc	0.11	J	0.50	0.020	mg/L		04/11/23 17:12	04/14/23 14:17	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5600		11	4.7	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Antimony	0.42	J B	1.1	0.22	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Arsenic	5.6		0.57	0.20	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Barium	24	B	0.57	0.065	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Beryllium	0.67	B	0.23	0.054	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Cadmium	0.11	B	0.11	0.021	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Calcium	72000		57	9.7	mg/Kg	☆	04/13/23 09:34	04/17/23 15:44	5
Chromium	6.5		0.57	0.28	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Cobalt	7.7		0.29	0.075	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Copper	8.9		0.57	0.16	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Iron	11000		11	6.0	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Lead	23		0.29	0.13	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Magnesium	31000		5.7	2.8	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Manganese	280	B	0.57	0.083	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Nickel	17		0.57	0.17	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Potassium	2400		29	10	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Silver	0.41		0.29	0.074	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Sodium	650		57	8.5	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Thallium	<0.57		0.57	0.29	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Vanadium	10	B	0.29	0.068	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1
Zinc	11		1.1	0.50	mg/Kg	☆	04/13/23 09:34	04/14/23 19:14	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/11/23 17:05	04/12/23 11:36	1

Method: SW846 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		04/12/23 10:50	04/13/23 09:29	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.019	0.0099	mg/Kg	☆	04/12/23 17:00	04/13/23 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0		0.2	0.2	SU			04/11/23 19:58	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(0-5)-040723

Lab Sample ID: 500-231932-3

Date Collected: 04/07/23 08:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0065	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Carbon disulfide	<0.0038		0.0038	0.00078	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	04/08/23 12:30	04/17/23 13:07	1
Dibromofluoromethane (Surr)	104		75 - 126	04/08/23 12:30	04/17/23 13:07	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	04/08/23 12:30	04/17/23 13:07	1
Toluene-d8 (Surr)	106		75 - 124	04/08/23 12:30	04/17/23 13:07	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19	F1	0.19	0.041	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
1,2-Dichlorobenzene	<0.19	F1	0.19	0.045	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
1,3-Dichlorobenzene	<0.19	F1	0.19	0.043	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
1,4-Dichlorobenzene	<0.19	F1	0.19	0.049	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(0-5)-040723

Lab Sample ID: 500-231932-3

Date Collected: 04/07/23 08:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38	F2	0.38	0.086	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
2,4,6-Trichlorophenol	<0.38	F1 F2	0.38	0.13	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
2,4-Dichlorophenol	<0.38	F1 F2	0.38	0.090	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
2,4-Dimethylphenol	<0.38	F1 F2	0.38	0.14	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
2,4-Dinitrophenol	<0.76	F2	0.76	0.67	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
2,4-Dinitrotoluene	<0.19	F1 F2	0.19	0.060	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
2,6-Dinitrotoluene	<0.19	F1 F2	0.19	0.074	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
2-Chloronaphthalene	<0.19	F1	0.19	0.042	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
2-Chlorophenol	<0.19	F1	0.19	0.065	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
2-Methylnaphthalene	<0.076	F1	0.076	0.0070	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
2-Methylphenol	<0.19	F1 F2	0.19	0.061	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
2-Nitroaniline	<0.19	F2	0.19	0.051	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
3 & 4 Methylphenol	<0.19	F1 F2	0.19	0.063	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
3,3'-Dichlorobenzidine	<0.19	F2	0.19	0.053	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
3-Nitroaniline	<0.38	F2	0.38	0.12	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
4,6-Dinitro-2-methylphenol	<0.76	F2	0.76	0.30	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
4-Bromophenyl phenyl ether	<0.19	F1 F2	0.19	0.050	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
4-Chloro-3-methylphenol	<0.38	F1 F2	0.38	0.13	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
4-Chloroaniline	<0.76	F2	0.76	0.18	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
4-Chlorophenyl phenyl ether	<0.19	F1 F2	0.19	0.044	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
4-Nitroaniline	<0.38	F1	0.38	0.16	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
4-Nitrophenol	<0.76	F2	0.76	0.36	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Acenaphthene	<0.038	F1	0.038	0.0068	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Acenaphthylene	<0.038	F1 F2	0.038	0.0050	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Anthracene	<0.038	F1 F2	0.038	0.0063	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Benzo[a]anthracene	<0.038	*- F1 F2	0.038	0.0051	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Benzo[a]pyrene	<0.038	F1 F2	0.038	0.0073	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Benzo[b]fluoranthene	<0.038	F1 F2	0.038	0.0082	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Benzo[g,h,i]perylene	<0.038	F1 F2	0.038	0.012	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Benzo[k]fluoranthene	<0.038	F1 F2	0.038	0.011	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Bis(2-ethylhexyl) phthalate	<0.19	F1 F2	0.19	0.069	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Butyl benzyl phthalate	<0.19	F1 F2	0.19	0.072	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Carbazole	<0.19	F1 F2	0.19	0.095	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Chrysene	<0.038	F1 F2	0.038	0.010	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Dibenz(a,h)anthracene	<0.038	F1 F2	0.038	0.0073	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Dibenzofuran	<0.19	F1 F2	0.19	0.044	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Diethyl phthalate	<0.19	F1 F2	0.19	0.064	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Dimethyl phthalate	<0.19	F1 F2	0.19	0.049	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Di-n-butyl phthalate	<0.19	F1 F2	0.19	0.058	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Di-n-octyl phthalate	<0.19	F1 F2	0.19	0.062	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Fluoranthene	0.014	J F1 F2	0.038	0.0070	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Fluorene	<0.038	F1 F2	0.038	0.0053	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Hexachlorobenzene	<0.076	F1 F2	0.076	0.0088	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Hexachlorobutadiene	<0.19	F1	0.19	0.059	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1
Hexachloroethane	<0.19	F1	0.19	0.058	mg/Kg	✱	04/17/23 14:10	04/18/23 16:35	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(0-5)-040723

Lab Sample ID: 500-231932-3

Date Collected: 04/07/23 08:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.9

Method: SW846 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	0.0098	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
Isophorone	<0.19	F1	0.19	0.043	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
Naphthalene	<0.038	F1	0.038	0.0058	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
N-Nitrosodiphenylamine	<0.19	F1 F2	0.19	0.045	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
Pentachlorophenol	<0.76	F2	0.76	0.61	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
Phenanthrene	0.0081	J F1 F2	0.038	0.0053	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
Pyrene	0.012	J F1 F2	0.038	0.0075	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	49		31 - 143				04/17/23 14:10	04/18/23 16:35	1
2-Fluorobiphenyl (Surr)	55		43 - 145				04/17/23 14:10	04/18/23 16:35	1
2-Fluorophenol (Surr)	60		31 - 166				04/17/23 14:10	04/18/23 16:35	1
Nitrobenzene-d5 (Surr)	70		37 - 147				04/17/23 14:10	04/18/23 16:35	1
Phenol-d5 (Surr)	62		30 - 153				04/17/23 14:10	04/18/23 16:35	1
Terphenyl-d14 (Surr)	60		42 - 157				04/17/23 14:10	04/18/23 16:35	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 08:09	04/12/23 21:15	1
Barium	0.30	J	0.50	0.050	mg/L		04/12/23 08:09	04/12/23 21:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 08:09	04/12/23 21:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 08:09	04/12/23 21:15	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:15	1
Cobalt	0.017	J	0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:15	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:15	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 08:09	04/12/23 21:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 08:09	04/12/23 21:15	1
Manganese	1.7		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:15	1
Nickel	0.047		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:15	1
Selenium	0.020	J	0.050	0.020	mg/L		04/12/23 08:09	04/12/23 21:15	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:15	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 08:09	04/12/23 21:15	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.048	J	0.050	0.010	mg/L		04/11/23 17:12	04/14/23 14:20	1
Barium	0.71		0.50	0.050	mg/L		04/11/23 17:12	04/14/23 14:20	1
Beryllium	0.0072		0.0040	0.0040	mg/L		04/11/23 17:12	04/14/23 14:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/23 17:12	04/14/23 14:20	1
Chromium	0.13		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:20	1
Cobalt	0.043		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:20	1
Copper	0.11		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:20	1
Iron	140		0.40	0.20	mg/L		04/11/23 17:12	04/14/23 14:20	1
Lead	0.12		0.0075	0.0075	mg/L		04/11/23 17:12	04/14/23 14:20	1
Manganese	0.74		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:20	1
Nickel	0.10		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:20	1
Selenium	<0.050		0.050	0.020	mg/L		04/11/23 17:12	04/14/23 14:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(0-5)-040723

Lab Sample ID: 500-231932-3

Date Collected: 04/07/23 08:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:20	1
Zinc	0.43	J	0.50	0.020	mg/L		04/11/23 17:12	04/14/23 14:20	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8300		11	4.7	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Antimony	0.25	J B	1.1	0.22	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Arsenic	6.7		0.57	0.19	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Barium	77	B	0.57	0.065	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Beryllium	0.71	B	0.23	0.053	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Cadmium	0.28	B	0.11	0.020	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Calcium	59000		57	9.6	mg/Kg	☆	04/13/23 09:34	04/17/23 15:47	5
Chromium	9.1		0.57	0.28	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Cobalt	11		0.28	0.075	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Copper	14		0.57	0.16	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Iron	13000		11	5.9	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Lead	45		0.28	0.13	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Magnesium	28000		5.7	2.8	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Manganese	560	B	0.57	0.083	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Nickel	18		0.57	0.17	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Potassium	1800		28	10	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Selenium	0.41	J	0.57	0.33	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Silver	0.33		0.28	0.073	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Sodium	460		57	8.4	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Thallium	<0.57		0.57	0.28	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Vanadium	16	B	0.28	0.067	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Zinc	57		1.1	0.50	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/11/23 17:05	04/12/23 11:38	1

Method: SW846 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		04/12/23 10:50	04/13/23 09:31	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.018	0.0096	mg/Kg	☆	04/12/23 17:00	04/13/23 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.2	0.2	SU			04/11/23 20:01	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(5-10)-040723

Lab Sample ID: 500-231932-4

Date Collected: 04/07/23 08:45

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0064	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Carbon disulfide	<0.0037		0.0037	0.00077	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Ethylbenzene	<0.0015		0.0015	0.00071	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Vinyl chloride	<0.0015		0.0015	0.00065	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Xylenes, Total	<0.0030		0.0030	0.00047	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	04/08/23 12:30	04/17/23 13:31	1
Dibromofluoromethane (Surr)	105		75 - 126	04/08/23 12:30	04/17/23 13:31	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	04/08/23 12:30	04/17/23 13:31	1
Toluene-d8 (Surr)	107		75 - 124	04/08/23 12:30	04/17/23 13:31	1

Method: SW846 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	✳	04/17/23 14:10	04/18/23 11:58	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/17/23 14:10	04/18/23 11:58	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/17/23 14:10	04/18/23 11:58	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/17/23 14:10	04/18/23 11:58	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 11:58	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(5-10)-040723

Lab Sample ID: 500-231932-4

Date Collected: 04/07/23 08:45

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.4

Method: SW846 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	☼	04/17/23 14:10	04/18/23 11:58	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2-Methylnaphthalene	<0.076		0.076	0.0070	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Benzo[a]anthracene	<0.038	*	0.038	0.0051	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(5-10)-040723

Lab Sample ID: 500-231932-4

Date Collected: 04/07/23 08:45

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.4

Method: SW846 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	☼	04/17/23 14:10	04/18/23 11:58	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	64		31 - 143	04/17/23 14:10	04/18/23 11:58	1
2-Fluorobiphenyl (Surr)	73		43 - 145	04/17/23 14:10	04/18/23 11:58	1
2-Fluorophenol (Surr)	79		31 - 166	04/17/23 14:10	04/18/23 11:58	1
Nitrobenzene-d5 (Surr)	78		37 - 147	04/17/23 14:10	04/18/23 11:58	1
Phenol-d5 (Surr)	81		30 - 153	04/17/23 14:10	04/18/23 11:58	1
Terphenyl-d14 (Surr)	79		42 - 157	04/17/23 14:10	04/18/23 11:58	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		04/12/23 08:09	04/12/23 21:18	1
Barium	0.41	J	0.50	0.050	mg/L		04/12/23 08:09	04/12/23 21:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 08:09	04/12/23 21:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 08:09	04/12/23 21:18	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:18	1
Cobalt	0.040		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:18	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:18	1
Iron	0.48		0.40	0.20	mg/L		04/12/23 08:09	04/12/23 21:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 08:09	04/12/23 21:18	1
Manganese	7.2		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:18	1
Nickel	0.036		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:18	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 08:09	04/12/23 21:18	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:18	1
Zinc	0.034	J	0.50	0.020	mg/L		04/12/23 08:09	04/12/23 21:18	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.095		0.050	0.010	mg/L		04/11/23 17:12	04/14/23 14:29	1
Barium	0.70		0.50	0.050	mg/L		04/11/23 17:12	04/14/23 14:29	1
Beryllium	0.011		0.0040	0.0040	mg/L		04/11/23 17:12	04/14/23 14:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/23 17:12	04/14/23 14:29	1
Chromium	0.19		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:29	1
Cobalt	0.042		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:29	1
Copper	0.17		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:29	1
Iron	240		0.40	0.20	mg/L		04/11/23 17:12	04/14/23 14:29	1
Lead	0.10		0.0075	0.0075	mg/L		04/11/23 17:12	04/14/23 14:29	1
Manganese	0.96		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:29	1
Nickel	0.18		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:29	1
Selenium	<0.050		0.050	0.020	mg/L		04/11/23 17:12	04/14/23 14:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(5-10)-040723

Lab Sample ID: 500-231932-4

Date Collected: 04/07/23 08:45

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:29	1
Zinc	0.55		0.50	0.020	mg/L		04/11/23 17:12	04/14/23 14:29	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8500		11	4.5	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Antimony	0.35	J B	1.1	0.21	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Arsenic	7.2		0.55	0.19	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Barium	39	B	0.55	0.063	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Beryllium	0.70	B	0.22	0.051	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Cadmium	0.15	B	0.11	0.020	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Calcium	43000		55	9.3	mg/Kg	☆	04/13/23 09:34	04/17/23 15:50	5
Chromium	9.5		0.55	0.27	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Cobalt	9.3		0.27	0.072	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Copper	13		0.55	0.15	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Iron	14000		11	5.7	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Lead	19		0.27	0.13	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Magnesium	20000		5.5	2.7	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Manganese	250	B	0.55	0.080	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Nickel	19		0.55	0.16	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Potassium	1500		27	9.7	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Selenium	<0.55		0.55	0.32	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Silver	0.40		0.27	0.071	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Sodium	1500		55	8.1	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Thallium	<0.55		0.55	0.27	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Vanadium	16	B	0.27	0.065	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Zinc	31		1.1	0.48	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/11/23 17:05	04/12/23 11:40	1

Method: SW846 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		04/12/23 10:50	04/13/23 09:33	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.020	0.010	mg/Kg	☆	04/12/23 17:00	04/13/23 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/11/23 20:03	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(10-15)-040723

Lab Sample ID: 500-231932-5

Date Collected: 04/07/23 08:50

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 89.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0068	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Bromoform	<0.0016		0.0016	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Chlorobenzene	<0.0016		0.0016	0.00057	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Chloroethane	<0.0039		0.0039	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
1,1-Dichloroethene	<0.0016		0.0016	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00054	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Ethylbenzene	<0.0016		0.0016	0.00074	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
methyl isobutyl ketone	<0.0039		0.0039	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00054	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Trichloroethene	<0.0016		0.0016	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 131	04/08/23 12:30	04/17/23 13:54	1
Dibromofluoromethane (Surr)	105		75 - 126	04/08/23 12:30	04/17/23 13:54	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	04/08/23 12:30	04/17/23 13:54	1
Toluene-d8 (Surr)	106		75 - 124	04/08/23 12:30	04/17/23 13:54	1

Method: SW846 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	✳	04/17/23 14:10	04/18/23 12:23	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(10-15)-040723

Lab Sample ID: 500-231932-5

Date Collected: 04/07/23 08:50

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 89.5

Method: SW846 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	✳	04/17/23 14:10	04/18/23 12:23	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Benzo[a]anthracene	<0.036	*	0.036	0.0049	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Carbazole	<0.18		0.18	0.091	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	✳	04/17/23 14:10	04/18/23 12:23	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(10-15)-040723

Lab Sample ID: 500-231932-5

Date Collected: 04/07/23 08:50

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 89.5

Method: SW846 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	☼	04/17/23 14:10	04/18/23 12:23	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	67		31 - 143	04/17/23 14:10	04/18/23 12:23	1
2-Fluorobiphenyl (Surr)	73		43 - 145	04/17/23 14:10	04/18/23 12:23	1
2-Fluorophenol (Surr)	84		31 - 166	04/17/23 14:10	04/18/23 12:23	1
Nitrobenzene-d5 (Surr)	93		37 - 147	04/17/23 14:10	04/18/23 12:23	1
Phenol-d5 (Surr)	85		30 - 153	04/17/23 14:10	04/18/23 12:23	1
Terphenyl-d14 (Surr)	73		42 - 157	04/17/23 14:10	04/18/23 12:23	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 08:09	04/12/23 22:27	1
Barium	0.074	J	0.50	0.050	mg/L		04/12/23 08:09	04/12/23 22:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 08:09	04/12/23 22:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 08:09	04/12/23 22:27	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:27	1
Cobalt	0.13		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:27	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:27	1
Iron	0.37	J	0.40	0.20	mg/L		04/12/23 08:09	04/12/23 22:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 08:09	04/12/23 22:27	1
Manganese	4.0		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:27	1
Nickel	0.22		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:27	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 08:09	04/12/23 22:27	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:27	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 08:09	04/12/23 22:27	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		04/11/23 17:12	04/14/23 14:32	1
Barium	<0.50		0.50	0.050	mg/L		04/11/23 17:12	04/14/23 14:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/23 17:12	04/14/23 14:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/23 17:12	04/14/23 14:32	1
Chromium	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:32	1
Cobalt	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:32	1
Copper	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:32	1
Iron	6.1		0.40	0.20	mg/L		04/11/23 17:12	04/14/23 14:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/11/23 17:12	04/14/23 14:32	1
Manganese	0.011	J	0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:32	1
Nickel	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:32	1
Selenium	<0.050		0.050	0.020	mg/L		04/11/23 17:12	04/14/23 14:32	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(10-15)-040723

Lab Sample ID: 500-231932-5

Date Collected: 04/07/23 08:50

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 89.5

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:32	1
Zinc	<0.50		0.50	0.020	mg/L		04/11/23 17:12	04/14/23 14:32	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4400		11	4.4	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Antimony	0.30	J B	1.1	0.21	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Arsenic	3.6		0.54	0.18	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Barium	13	B	0.54	0.061	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Beryllium	0.68	B	0.22	0.050	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Cadmium	0.079	J B	0.11	0.019	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Calcium	74000		54	9.1	mg/Kg	☆	04/13/23 09:34	04/17/23 15:53	5
Chromium	5.0		0.54	0.27	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Cobalt	5.9		0.27	0.071	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Copper	7.8		0.54	0.15	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Iron	7700		11	5.6	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Lead	27		0.27	0.12	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Magnesium	31000		5.4	2.7	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Manganese	150	B	0.54	0.078	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Nickel	16		0.54	0.16	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Potassium	2500		27	9.5	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Selenium	<0.54		0.54	0.32	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Silver	0.36		0.27	0.069	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Sodium	470		54	8.0	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Thallium	<0.54		0.54	0.27	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Vanadium	7.4	B	0.27	0.064	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Zinc	3.8		1.1	0.47	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/11/23 17:05	04/12/23 12:15	1

Method: SW846 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		04/12/23 10:50	04/13/23 09:35	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.018	0.0094	mg/Kg	☆	04/12/23 17:00	04/13/23 09:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.2	0.2	SU			04/11/23 20:06	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(15-18)-040723

Lab Sample ID: 500-231932-6

Date Collected: 04/07/23 08:55

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 84.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0066	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Carbon disulfide	<0.0038		0.0038	0.00079	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
1,3-Dichloropropane, Total	<0.0015		0.0015	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00065	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Vinyl chloride	<0.0015		0.0015	0.00067	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Xylenes, Total	<0.0030		0.0030	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	04/08/23 12:30	04/17/23 14:17	1
Dibromofluoromethane (Surr)	103		75 - 126	04/08/23 12:30	04/17/23 14:17	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	04/08/23 12:30	04/17/23 14:17	1
Toluene-d8 (Surr)	106		75 - 124	04/08/23 12:30	04/17/23 14:17	1

Method: SW846 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	✳	04/17/23 14:10	04/18/23 17:49	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(15-18)-040723

Lab Sample ID: 500-231932-6

Date Collected: 04/07/23 08:55

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 84.9

Method: SW846 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	✳	04/17/23 14:10	04/18/23 17:49	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Anthracene	0.0070	J	0.039	0.0065	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Benzo[a]anthracene	0.034	J*-	0.039	0.0053	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Benzo[a]pyrene	0.040		0.039	0.0076	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Benzo[b]fluoranthene	0.066		0.039	0.0084	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Benzo[g,h,i]perylene	0.051		0.039	0.013	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Benzo[k]fluoranthene	0.022	J	0.039	0.012	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Carbazole	<0.20		0.20	0.098	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Chrysene	0.046		0.039	0.011	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Fluoranthene	0.042		0.039	0.0072	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(15-18)-040723

Lab Sample ID: 500-231932-6

Date Collected: 04/07/23 08:55

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 84.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.048		0.039	0.010	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
Phenanthrene	0.018 J		0.039	0.0054	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
Pyrene	0.035 J		0.039	0.0078	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	60		31 - 143				04/17/23 14:10	04/18/23 17:49	1
2-Fluorobiphenyl (Surr)	73		43 - 145				04/17/23 14:10	04/18/23 17:49	1
2-Fluorophenol (Surr)	79		31 - 166				04/17/23 14:10	04/18/23 17:49	1
Nitrobenzene-d5 (Surr)	92		37 - 147				04/17/23 14:10	04/18/23 17:49	1
Phenol-d5 (Surr)	79		30 - 153				04/17/23 14:10	04/18/23 17:49	1
Terphenyl-d14 (Surr)	72		42 - 157				04/17/23 14:10	04/18/23 17:49	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 08:09	04/12/23 22:30	1
Barium	0.50		0.50	0.050	mg/L		04/12/23 08:09	04/12/23 22:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 08:09	04/12/23 22:30	1
Cadmium	0.0026 J		0.0050	0.0020	mg/L		04/12/23 08:09	04/12/23 22:30	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:30	1
Cobalt	0.042		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:30	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:30	1
Iron	0.25 J		0.40	0.20	mg/L		04/12/23 08:09	04/12/23 22:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 08:09	04/12/23 22:30	1
Manganese	6.1		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:30	1
Nickel	0.026		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:30	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 08:09	04/12/23 22:30	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:30	1
Zinc	0.28 J		0.50	0.020	mg/L		04/12/23 08:09	04/12/23 22:30	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.053		0.050	0.010	mg/L		04/11/23 17:12	04/14/23 14:36	1
Barium	0.35 J		0.50	0.050	mg/L		04/11/23 17:12	04/14/23 14:36	1
Beryllium	0.011		0.0040	0.0040	mg/L		04/11/23 17:12	04/14/23 14:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/23 17:12	04/14/23 14:36	1
Chromium	0.13		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:36	1
Cobalt	0.057		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:36	1
Copper	0.074		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:36	1
Iron	130		0.40	0.20	mg/L		04/11/23 17:12	04/14/23 14:36	1
Lead	0.094		0.0075	0.0075	mg/L		04/11/23 17:12	04/14/23 14:36	1
Manganese	0.79		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:36	1
Nickel	0.16		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:36	1
Selenium	<0.050		0.050	0.020	mg/L		04/11/23 17:12	04/14/23 14:36	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(15-18)-040723

Lab Sample ID: 500-231932-6

Date Collected: 04/07/23 08:55

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 84.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:36	1
Zinc	0.19	J	0.50	0.020	mg/L		04/11/23 17:12	04/14/23 14:36	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4600		12	4.8	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Antimony	0.40	J B	1.2	0.23	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Arsenic	7.1		0.58	0.20	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Barium	16	B	0.58	0.067	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Beryllium	0.66	B	0.23	0.055	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Cadmium	0.14	B	0.12	0.021	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Calcium	69000		58	9.9	mg/Kg	☆	04/13/23 09:34	04/17/23 15:56	5
Chromium	5.9		0.58	0.29	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Cobalt	8.4		0.29	0.077	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Copper	11		0.58	0.16	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Iron	12000		12	6.1	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Lead	25		0.29	0.14	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Magnesium	30000		5.8	2.9	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Manganese	240	B	0.58	0.085	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Nickel	20		0.58	0.17	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Potassium	2300		29	10	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Silver	0.32		0.29	0.075	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Sodium	610		58	8.7	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Vanadium	8.4	B	0.29	0.069	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Zinc	15		1.2	0.51	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/11/23 17:05	04/12/23 12:17	1

Method: SW846 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		04/12/23 10:50	04/13/23 09:37	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.018	0.0094	mg/Kg	☆	04/12/23 17:00	04/13/23 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			04/11/23 20:08	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-23(0-5)-040723

Lab Sample ID: 500-231932-7

Date Collected: 04/07/23 09:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.014		0.014	0.0062	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Bromoform	<0.0014		0.0014	0.00042	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Bromomethane	<0.0036		0.0036	0.0013	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Carbon disulfide	<0.0036		0.0036	0.00074	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Chlorobenzene	<0.0014		0.0014	0.00053	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Chloroform	<0.0014		0.0014	0.00050	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Chloromethane	<0.0036		0.0036	0.0014	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Dibromochloromethane	<0.0014		0.0014	0.00047	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00050	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00046	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Tetrachloroethene	<0.0014		0.0014	0.00049	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1
Xylenes, Total	<0.0029		0.0029	0.00046	mg/Kg	☼	04/08/23 12:30	04/17/23 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 131	04/08/23 12:30	04/17/23 14:41	1
Dibromofluoromethane (Surr)	105		75 - 126	04/08/23 12:30	04/17/23 14:41	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 134	04/08/23 12:30	04/17/23 14:41	1
Toluene-d8 (Surr)	106		75 - 124	04/08/23 12:30	04/17/23 14:41	1

Method: SW846 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	☼	04/17/23 14:10	04/18/23 18:14	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 18:14	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	04/17/23 14:10	04/18/23 18:14	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☼	04/17/23 14:10	04/18/23 18:14	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	04/17/23 14:10	04/18/23 18:14	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-23(0-5)-040723

Lab Sample ID: 500-231932-7

Date Collected: 04/07/23 09:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.7

Method: SW846 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	0.084	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
2-Methylnaphthalene	<0.074		0.074	0.0068	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Acenaphthylene	0.023	J	0.037	0.0049	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Anthracene	0.016	J	0.037	0.0062	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Benzo[a]anthracene	0.12	*-	0.037	0.0050	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Benzo[a]pyrene	0.21		0.037	0.0071	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Benzo[b]fluoranthene	0.23		0.037	0.0080	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Benzo[g,h,i]perylene	0.20		0.037	0.012	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Benzo[k]fluoranthene	0.086		0.037	0.011	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.067	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Carbazole	<0.19		0.19	0.092	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Chrysene	0.14		0.037	0.010	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Dibenz(a,h)anthracene	0.039		0.037	0.0071	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Fluoranthene	0.14		0.037	0.0068	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Hexachlorobenzene	<0.074		0.074	0.0086	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	✳	04/17/23 14:10	04/18/23 18:14	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-23(0-5)-040723

Lab Sample ID: 500-231932-7

Date Collected: 04/07/23 09:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.7

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.21		0.037	0.0096	mg/Kg	☼	04/17/23 14:10	04/18/23 18:14	1
Isophorone	<0.19		0.19	0.041	mg/Kg	☼	04/17/23 14:10	04/18/23 18:14	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	04/17/23 14:10	04/18/23 18:14	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	04/17/23 14:10	04/18/23 18:14	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	04/17/23 14:10	04/18/23 18:14	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 18:14	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	04/17/23 14:10	04/18/23 18:14	1
Phenanthrene	0.045		0.037	0.0051	mg/Kg	☼	04/17/23 14:10	04/18/23 18:14	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	04/17/23 14:10	04/18/23 18:14	1
Pyrene	0.18		0.037	0.0073	mg/Kg	☼	04/17/23 14:10	04/18/23 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	63		31 - 143	04/17/23 14:10	04/18/23 18:14	1
2-Fluorobiphenyl (Surr)	76		43 - 145	04/17/23 14:10	04/18/23 18:14	1
2-Fluorophenol (Surr)	80		31 - 166	04/17/23 14:10	04/18/23 18:14	1
Nitrobenzene-d5 (Surr)	91		37 - 147	04/17/23 14:10	04/18/23 18:14	1
Phenol-d5 (Surr)	82		30 - 153	04/17/23 14:10	04/18/23 18:14	1
Terphenyl-d14 (Surr)	74		42 - 157	04/17/23 14:10	04/18/23 18:14	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.014	J	0.050	0.010	mg/L		04/12/23 08:09	04/12/23 21:22	1
Barium	0.42	J	0.50	0.050	mg/L		04/12/23 08:09	04/12/23 21:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 08:09	04/12/23 21:22	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		04/12/23 08:09	04/12/23 21:22	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:22	1
Cobalt	0.036		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:22	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:22	1
Iron	0.38	J	0.40	0.20	mg/L		04/12/23 08:09	04/12/23 21:22	1
Lead	0.026		0.0075	0.0075	mg/L		04/12/23 08:09	04/12/23 21:22	1
Manganese	7.4		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:22	1
Nickel	0.033		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:22	1
Selenium	0.020	J	0.050	0.020	mg/L		04/12/23 08:09	04/12/23 21:22	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:22	1
Zinc	0.055	J	0.50	0.020	mg/L		04/12/23 08:09	04/12/23 21:22	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.049	J	0.050	0.010	mg/L		04/11/23 17:12	04/14/23 14:39	1
Barium	0.55		0.50	0.050	mg/L		04/11/23 17:12	04/14/23 14:39	1
Beryllium	0.0074		0.0040	0.0040	mg/L		04/11/23 17:12	04/14/23 14:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/23 17:12	04/14/23 14:39	1
Chromium	0.12		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:39	1
Cobalt	0.053		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:39	1
Copper	0.11		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:39	1
Iron	130		0.40	0.20	mg/L		04/11/23 17:12	04/14/23 14:39	1
Lead	0.38		0.0075	0.0075	mg/L		04/11/23 17:12	04/14/23 14:39	1
Manganese	1.1		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:39	1
Nickel	0.13		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:39	1
Selenium	<0.050		0.050	0.020	mg/L		04/11/23 17:12	04/14/23 14:39	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-23(0-5)-040723

Lab Sample ID: 500-231932-7

Date Collected: 04/07/23 09:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:39	1
Zinc	0.35	J	0.50	0.020	mg/L		04/11/23 17:12	04/14/23 14:39	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7300		11	4.6	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Antimony	0.33	J B	1.1	0.22	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Arsenic	6.0		0.56	0.19	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Barium	42	B	0.56	0.064	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Beryllium	0.71	B	0.22	0.052	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Cadmium	0.20	B	0.11	0.020	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Calcium	58000		56	9.4	mg/Kg	☆	04/13/23 09:34	04/17/23 15:59	5
Chromium	8.2		0.56	0.28	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Cobalt	12		0.28	0.073	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Copper	12		0.56	0.16	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Iron	13000		11	5.8	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Lead	28		0.28	0.13	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Magnesium	27000		5.6	2.8	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Manganese	380	B	0.56	0.081	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Nickel	22		0.56	0.16	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Potassium	1600		28	9.9	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Silver	0.34		0.28	0.072	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Sodium	930		56	8.2	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Vanadium	14	B	0.28	0.066	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1
Zinc	28		1.1	0.49	mg/Kg	☆	04/13/23 09:34	04/14/23 19:37	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/11/23 17:05	04/12/23 11:42	1

Method: SW846 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		04/12/23 10:50	04/13/23 09:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.018	0.0094	mg/Kg	☆	04/12/23 17:00	04/13/23 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.2	0.2	SU			04/11/23 20:11	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-25(0-5)-040723

Lab Sample ID: 500-231932-8

Date Collected: 04/07/23 09:20

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0065	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Carbon disulfide	<0.0037		0.0037	0.00078	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0017	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		75 - 131	04/08/23 12:30	04/17/23 15:04	1
Dibromofluoromethane (Surr)	103		75 - 126	04/08/23 12:30	04/17/23 15:04	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	04/08/23 12:30	04/17/23 15:04	1
Toluene-d8 (Surr)	107		75 - 124	04/08/23 12:30	04/17/23 15:04	1

Method: SW846 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	✳	04/17/23 14:10	04/18/23 18:39	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-25(0-5)-040723

Lab Sample ID: 500-231932-8

Date Collected: 04/07/23 09:20

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.7

Method: SW846 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	✳	04/17/23 14:10	04/18/23 18:39	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
2-Methylnaphthalene	<0.075		0.075	0.0069	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
4-Nitrophenol	<0.75		0.75	0.36	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Benzo[a]anthracene	<0.037	*	0.037	0.0050	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Benzo[a]pyrene	<0.037		0.037	0.0072	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Carbazole	<0.19		0.19	0.093	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Chrysene	<0.037		0.037	0.010	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Hexachlorobenzene	<0.075		0.075	0.0087	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	04/17/23 14:10	04/18/23 18:39	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-25(0-5)-040723

Lab Sample ID: 500-231932-8

Date Collected: 04/07/23 09:20

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.7

Method: SW846 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	☼	04/17/23 14:10	04/18/23 18:39	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/17/23 14:10	04/18/23 18:39	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	04/17/23 14:10	04/18/23 18:39	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	04/17/23 14:10	04/18/23 18:39	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.046	mg/Kg	☼	04/17/23 14:10	04/18/23 18:39	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 18:39	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	04/17/23 14:10	04/18/23 18:39	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	04/17/23 14:10	04/18/23 18:39	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	04/17/23 14:10	04/18/23 18:39	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	04/17/23 14:10	04/18/23 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	61		31 - 143	04/17/23 14:10	04/18/23 18:39	1
2-Fluorobiphenyl (Surr)	78		43 - 145	04/17/23 14:10	04/18/23 18:39	1
2-Fluorophenol (Surr)	79		31 - 166	04/17/23 14:10	04/18/23 18:39	1
Nitrobenzene-d5 (Surr)	88		37 - 147	04/17/23 14:10	04/18/23 18:39	1
Phenol-d5 (Surr)	82		30 - 153	04/17/23 14:10	04/18/23 18:39	1
Terphenyl-d14 (Surr)	78		42 - 157	04/17/23 14:10	04/18/23 18:39	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 08:09	04/12/23 22:34	1
Barium	0.31	J	0.50	0.050	mg/L		04/12/23 08:09	04/12/23 22:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 08:09	04/12/23 22:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 08:09	04/12/23 22:34	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:34	1
Cobalt	0.044		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:34	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:34	1
Iron	0.57		0.40	0.20	mg/L		04/12/23 08:09	04/12/23 22:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 08:09	04/12/23 22:34	1
Manganese	6.1		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:34	1
Nickel	0.059		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:34	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 08:09	04/12/23 22:34	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:34	1
Zinc	0.024	J	0.50	0.020	mg/L		04/12/23 08:09	04/12/23 22:34	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.024	J	0.050	0.010	mg/L		04/11/23 17:12	04/14/23 14:42	1
Barium	0.14	J	0.50	0.050	mg/L		04/11/23 17:12	04/14/23 14:42	1
Beryllium	0.0055		0.0040	0.0040	mg/L		04/11/23 17:12	04/14/23 14:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/23 17:12	04/14/23 14:42	1
Chromium	0.069		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:42	1
Cobalt	0.021	J	0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:42	1
Copper	0.053		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:42	1
Iron	69		0.40	0.20	mg/L		04/11/23 17:12	04/14/23 14:42	1
Lead	0.082		0.0075	0.0075	mg/L		04/11/23 17:12	04/14/23 14:42	1
Manganese	0.46		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:42	1
Nickel	0.069		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:42	1
Selenium	<0.050		0.050	0.020	mg/L		04/11/23 17:12	04/14/23 14:42	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-25(0-5)-040723

Lab Sample ID: 500-231932-8

Date Collected: 04/07/23 09:20

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:42	1
Zinc	0.093	J	0.50	0.020	mg/L		04/11/23 17:12	04/14/23 14:42	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6100		11	4.4	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Antimony	0.29	J B	1.1	0.21	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Arsenic	5.8		0.54	0.19	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Barium	29	B	2.7	0.31	mg/Kg	☆	04/13/23 09:34	04/17/23 16:02	5
Beryllium	0.64	B	0.22	0.051	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Cadmium	0.16	B	0.11	0.020	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Calcium	78000		54	9.2	mg/Kg	☆	04/13/23 09:34	04/17/23 16:02	5
Chromium	7.0		0.54	0.27	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Cobalt	7.2		0.27	0.071	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Copper	12		0.54	0.15	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Iron	15000		54	28	mg/Kg	☆	04/13/23 09:34	04/17/23 16:02	5
Lead	20		0.27	0.13	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Magnesium	45000		27	13	mg/Kg	☆	04/13/23 09:34	04/17/23 16:02	5
Manganese	260	B	0.54	0.079	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Nickel	17		0.54	0.16	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Potassium	2000		27	9.6	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Selenium	<0.54		0.54	0.32	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Silver	0.36		0.27	0.070	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Sodium	550		54	8.0	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Thallium	<0.54		0.54	0.27	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Vanadium	14	B	0.27	0.064	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1
Zinc	23		1.1	0.48	mg/Kg	☆	04/13/23 09:34	04/14/23 19:40	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/11/23 17:05	04/12/23 12:52	1

Method: SW846 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		04/12/23 10:50	04/13/23 09:42	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.019	0.0098	mg/Kg	☆	04/12/23 17:00	04/13/23 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.2	0.2	SU			04/11/23 20:13	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-25(5-10)-040723

Lab Sample ID: 500-231932-9

Date Collected: 04/07/23 09:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 82.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.049		0.018	0.0077	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Benzene	0.0012	J	0.0018	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Methylene Chloride	<0.0044		0.0044	0.0018	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Methyl Ethyl Ketone	0.013		0.0044	0.0020	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Toluene	0.0013	J	0.0018	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	✳	04/08/23 12:30	04/17/23 15:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 131	04/08/23 12:30	04/17/23 15:27	1
Dibromofluoromethane (Surr)	101		75 - 126	04/08/23 12:30	04/17/23 15:27	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	04/08/23 12:30	04/17/23 15:27	1
Toluene-d8 (Surr)	112		75 - 124	04/08/23 12:30	04/17/23 15:27	1

Method: SW846 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	✳	04/17/23 14:10	04/18/23 14:51	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/17/23 14:10	04/18/23 14:51	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	✳	04/17/23 14:10	04/18/23 14:51	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	✳	04/17/23 14:10	04/18/23 14:51	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 14:51	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-25(5-10)-040723

Lab Sample ID: 500-231932-9

Date Collected: 04/07/23 09:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 82.6

Method: SW846 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	☼	04/17/23 14:10	04/18/23 14:51	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
2,4-Dichlorophenol	<0.37		0.37	0.090	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Benzo[a]anthracene	<0.037	*	0.037	0.0051	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-25(5-10)-040723

Lab Sample ID: 500-231932-9

Date Collected: 04/07/23 09:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 82.6

Method: SW846 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	☼	04/17/23 14:10	04/18/23 14:51	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Phenanthrene	<0.037		0.037	0.0053	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1
Pyrene	<0.037		0.037	0.0075	mg/Kg	☼	04/17/23 14:10	04/18/23 14:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	65		31 - 143	04/17/23 14:10	04/18/23 14:51	1
2-Fluorobiphenyl (Surr)	70		43 - 145	04/17/23 14:10	04/18/23 14:51	1
2-Fluorophenol (Surr)	80		31 - 166	04/17/23 14:10	04/18/23 14:51	1
Nitrobenzene-d5 (Surr)	88		37 - 147	04/17/23 14:10	04/18/23 14:51	1
Phenol-d5 (Surr)	84		30 - 153	04/17/23 14:10	04/18/23 14:51	1
Terphenyl-d14 (Surr)	75		42 - 157	04/17/23 14:10	04/18/23 14:51	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		04/12/23 08:09	04/12/23 21:25	1
Barium	0.78		0.50	0.050	mg/L		04/12/23 08:09	04/12/23 21:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 08:09	04/12/23 21:25	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		04/12/23 08:09	04/12/23 21:25	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:25	1
Cobalt	0.049		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:25	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:25	1
Iron	1.1		0.40	0.20	mg/L		04/12/23 08:09	04/12/23 21:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 08:09	04/12/23 21:25	1
Manganese	12		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:25	1
Nickel	0.037		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:25	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 08:09	04/12/23 21:25	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:25	1
Zinc	0.064	J	0.50	0.020	mg/L		04/12/23 08:09	04/12/23 21:25	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.024	J	0.050	0.010	mg/L		04/11/23 17:12	04/14/23 14:45	1
Barium	0.42	J	0.50	0.050	mg/L		04/11/23 17:12	04/14/23 14:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/23 17:12	04/14/23 14:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/23 17:12	04/14/23 14:45	1
Chromium	0.065		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:45	1
Cobalt	0.022	J	0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:45	1
Copper	0.060		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:45	1
Iron	60		0.40	0.20	mg/L		04/11/23 17:12	04/14/23 14:45	1
Lead	0.062		0.0075	0.0075	mg/L		04/11/23 17:12	04/14/23 14:45	1
Manganese	0.83		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:45	1
Nickel	0.054		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:45	1
Selenium	<0.050		0.050	0.020	mg/L		04/11/23 17:12	04/14/23 14:45	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-25(5-10)-040723

Lab Sample ID: 500-231932-9

Date Collected: 04/07/23 09:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 82.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:45	1
Zinc	0.16	J	0.50	0.020	mg/L		04/11/23 17:12	04/14/23 14:45	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		11	4.7	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Antimony	0.26	J B	1.1	0.22	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Arsenic	6.5		0.57	0.20	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Barium	81	B	0.57	0.065	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Beryllium	0.70	B	0.23	0.054	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Cadmium	0.24	B	0.11	0.021	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Calcium	25000		11	1.9	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Chromium	12		0.57	0.28	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Cobalt	9.3		0.29	0.075	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Copper	13		0.57	0.16	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Iron	14000		11	6.0	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Lead	16		0.29	0.13	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Magnesium	17000		5.7	2.8	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Manganese	420	B	0.57	0.083	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Nickel	20		0.57	0.17	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Potassium	1100		29	10	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Selenium	0.39	J	0.57	0.34	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Silver	0.39		0.29	0.074	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Sodium	260		57	8.5	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Thallium	<0.57		0.57	0.29	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Vanadium	22	B	0.29	0.068	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1
Zinc	48		1.1	0.50	mg/Kg	☆	04/13/23 09:34	04/14/23 19:44	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/11/23 17:05	04/12/23 11:44	1

Method: SW846 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		04/12/23 10:50	04/13/23 09:44	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041		0.019	0.010	mg/Kg	☆	04/12/23 17:00	04/13/23 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	6.9		0.2	0.2	SU			04/11/23 20:18	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-26(0-5)-040723

Lab Sample ID: 500-231932-10

Date Collected: 04/07/23 09:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 84.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	J	0.016	0.0069	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Methylene Chloride	<0.0039		0.0039	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		75 - 131	04/08/23 12:30	04/17/23 15:51	1
Dibromofluoromethane (Surr)	105		75 - 126	04/08/23 12:30	04/17/23 15:51	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 134	04/08/23 12:30	04/17/23 15:51	1
Toluene-d8 (Surr)	108		75 - 124	04/08/23 12:30	04/17/23 15:51	1

Method: SW846 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	✳	04/17/23 14:10	04/18/23 15:15	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/17/23 14:10	04/18/23 15:15	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/17/23 14:10	04/18/23 15:15	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	✳	04/17/23 14:10	04/18/23 15:15	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 15:15	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-26(0-5)-040723

Lab Sample ID: 500-231932-10

Date Collected: 04/07/23 09:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 84.1

Method: SW846 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	☼	04/17/23 14:10	04/18/23 15:15	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Benzo[a]anthracene	<0.038	*	0.038	0.0051	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Bis(2-ethylhexyl) phthalate	0.10	J	0.19	0.069	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Fluoranthene	0.010	J	0.038	0.0070	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-26(0-5)-040723

Lab Sample ID: 500-231932-10

Date Collected: 04/07/23 09:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 84.1

Method: SW846 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	☼	04/17/23 14:10	04/18/23 15:15	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1
Pyrene	0.011	J	0.038	0.0075	mg/Kg	☼	04/17/23 14:10	04/18/23 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	62		31 - 143	04/17/23 14:10	04/18/23 15:15	1
2-Fluorobiphenyl (Surr)	73		43 - 145	04/17/23 14:10	04/18/23 15:15	1
2-Fluorophenol (Surr)	81		31 - 166	04/17/23 14:10	04/18/23 15:15	1
Nitrobenzene-d5 (Surr)	93		37 - 147	04/17/23 14:10	04/18/23 15:15	1
Phenol-d5 (Surr)	83		30 - 153	04/17/23 14:10	04/18/23 15:15	1
Terphenyl-d14 (Surr)	73		42 - 157	04/17/23 14:10	04/18/23 15:15	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.016	J	0.050	0.010	mg/L		04/12/23 16:54	04/13/23 14:35	1
Barium	0.35	J	0.50	0.050	mg/L		04/12/23 16:54	04/13/23 14:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 14:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 14:35	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 14:35	1
Cobalt	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 14:35	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 14:35	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 14:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 14:35	1
Manganese	0.81	B	0.025	0.010	mg/L		04/12/23 16:54	04/13/23 14:35	1
Nickel	0.013	J	0.025	0.010	mg/L		04/12/23 16:54	04/13/23 14:35	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 14:35	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 14:35	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 16:54	04/13/23 14:35	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.035	J	0.050	0.010	mg/L		04/11/23 17:12	04/14/23 14:48	1
Barium	0.29	J	0.50	0.050	mg/L		04/11/23 17:12	04/14/23 14:48	1
Beryllium	0.0078		0.0040	0.0040	mg/L		04/11/23 17:12	04/14/23 14:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/23 17:12	04/14/23 14:48	1
Chromium	0.095		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:48	1
Cobalt	0.037		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:48	1
Copper	0.059		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:48	1
Iron	100		0.40	0.20	mg/L		04/11/23 17:12	04/14/23 14:48	1
Lead	0.071		0.0075	0.0075	mg/L		04/11/23 17:12	04/14/23 14:48	1
Manganese	0.57		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:48	1
Nickel	0.078		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:48	1
Selenium	<0.050		0.050	0.020	mg/L		04/11/23 17:12	04/14/23 14:48	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-26(0-5)-040723

Lab Sample ID: 500-231932-10

Date Collected: 04/07/23 09:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 84.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:48	1
Zinc	0.16	J	0.50	0.020	mg/L		04/11/23 17:12	04/14/23 14:48	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3600		12	4.7	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Antimony	0.35	J B	1.2	0.22	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Arsenic	4.5		0.58	0.20	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Barium	34	B	2.9	0.33	mg/Kg	☆	04/13/23 09:34	04/17/23 16:12	5
Beryllium	0.56	B	0.23	0.054	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Cadmium	0.16	B	0.12	0.021	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Calcium	100000		58	9.8	mg/Kg	☆	04/13/23 09:34	04/17/23 16:12	5
Chromium	4.6		0.58	0.29	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Cobalt	10		0.29	0.076	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Copper	7.3		0.58	0.16	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Iron	12000		58	30	mg/Kg	☆	04/13/23 09:34	04/17/23 16:12	5
Lead	15		0.29	0.13	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Magnesium	61000		29	14	mg/Kg	☆	04/13/23 09:34	04/17/23 16:12	5
Manganese	420	B	0.58	0.084	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Nickel	18		0.58	0.17	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Potassium	1600		29	10	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Silver	0.27	J	0.29	0.074	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Sodium	700		58	8.5	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Vanadium	6.9	B	0.29	0.068	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1
Zinc	11		1.2	0.51	mg/Kg	☆	04/13/23 09:34	04/14/23 19:47	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 08:54	1

Method: SW846 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		04/12/23 10:50	04/13/23 09:46	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026	F1	0.019	0.010	mg/Kg	☆	04/12/23 17:00	04/13/23 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			04/11/23 20:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-28(0-5)-040723

Lab Sample ID: 500-231932-13

Date Collected: 04/07/23 10:20

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 76.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0073	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Chloroethane	<0.0042		0.0042	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	✳	04/08/23 12:30	04/17/23 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		75 - 131	04/08/23 12:30	04/17/23 17:01	1
Dibromofluoromethane (Surr)	104		75 - 126	04/08/23 12:30	04/17/23 17:01	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 134	04/08/23 12:30	04/17/23 17:01	1
Toluene-d8 (Surr)	108		75 - 124	04/08/23 12:30	04/17/23 17:01	1

Method: SW846 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	✳	04/17/23 14:10	04/18/23 19:28	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.049	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-28(0-5)-040723

Lab Sample ID: 500-231932-13

Date Collected: 04/07/23 10:20

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 76.8

Method: SW846 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	✳	04/17/23 14:10	04/18/23 19:28	1
2,4,6-Trichlorophenol	<0.42		0.42	0.14	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
2,4-Dichlorophenol	<0.42		0.42	0.10	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
2,4-Dinitrophenol	<0.85		0.85	0.74	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
2,4-Dinitrotoluene	<0.21		0.21	0.067	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
2,6-Dinitrotoluene	<0.21		0.21	0.083	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
2-Chlorophenol	<0.21		0.21	0.072	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
2-Methylnaphthalene	<0.085		0.085	0.0077	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
2-Nitroaniline	<0.21		0.21	0.057	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
2-Nitrophenol	<0.42		0.42	0.099	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
3 & 4 Methylphenol	<0.21		0.21	0.070	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.059	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
4,6-Dinitro-2-methylphenol	<0.85		0.85	0.34	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
4-Chloroaniline	<0.85		0.85	0.20	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
4-Nitrophenol	<0.85		0.85	0.40	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Acenaphthene	<0.042		0.042	0.0075	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Acenaphthylene	<0.042		0.042	0.0055	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Anthracene	<0.042		0.042	0.0070	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Benzo[a]anthracene	0.036	J *	0.042	0.0057	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Benzo[a]pyrene	0.052		0.042	0.0081	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Benzo[b]fluoranthene	0.070		0.042	0.0091	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Benzo[g,h,i]perylene	0.058		0.042	0.014	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Benzo[k]fluoranthene	0.020	J	0.042	0.012	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.077	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Butyl benzyl phthalate	<0.21		0.21	0.080	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Carbazole	<0.21		0.21	0.10	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Chrysene	0.025	J	0.042	0.011	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0081	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Di-n-octyl phthalate	<0.21		0.21	0.069	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Fluoranthene	0.041	J	0.042	0.0078	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Fluorene	<0.042		0.042	0.0059	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Hexachlorobenzene	<0.085		0.085	0.0097	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Hexachlorocyclopentadiene	<0.85		0.85	0.24	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1
Hexachloroethane	<0.21		0.21	0.064	mg/Kg	✳	04/17/23 14:10	04/18/23 19:28	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-28(0-5)-040723

Lab Sample ID: 500-231932-13

Date Collected: 04/07/23 10:20

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 76.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.052		0.042	0.011	mg/Kg	☼	04/17/23 14:10	04/18/23 19:28	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	04/17/23 14:10	04/18/23 19:28	1
Naphthalene	<0.042		0.042	0.0065	mg/Kg	☼	04/17/23 14:10	04/18/23 19:28	1
Nitrobenzene	<0.042		0.042	0.010	mg/Kg	☼	04/17/23 14:10	04/18/23 19:28	1
N-Nitrosodi-n-propylamine	<0.085		0.085	0.051	mg/Kg	☼	04/17/23 14:10	04/18/23 19:28	1
N-Nitrosodiphenylamine	<0.21		0.21	0.050	mg/Kg	☼	04/17/23 14:10	04/18/23 19:28	1
Pentachlorophenol	<0.85		0.85	0.67	mg/Kg	☼	04/17/23 14:10	04/18/23 19:28	1
Phenanthrene	0.014	J	0.042	0.0059	mg/Kg	☼	04/17/23 14:10	04/18/23 19:28	1
Phenol	<0.21		0.21	0.093	mg/Kg	☼	04/17/23 14:10	04/18/23 19:28	1
Pyrene	0.035	J	0.042	0.0083	mg/Kg	☼	04/17/23 14:10	04/18/23 19:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	66		31 - 143				04/17/23 14:10	04/18/23 19:28	1
2-Fluorobiphenyl (Surr)	72		43 - 145				04/17/23 14:10	04/18/23 19:28	1
2-Fluorophenol (Surr)	72		31 - 166				04/17/23 14:10	04/18/23 19:28	1
Nitrobenzene-d5 (Surr)	86		37 - 147				04/17/23 14:10	04/18/23 19:28	1
Phenol-d5 (Surr)	76		30 - 153				04/17/23 14:10	04/18/23 19:28	1
Terphenyl-d14 (Surr)	75		42 - 157				04/17/23 14:10	04/18/23 19:28	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 08:09	04/12/23 21:44	1
Barium	0.40	J	0.50	0.050	mg/L		04/12/23 08:09	04/12/23 21:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 08:09	04/12/23 21:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 08:09	04/12/23 21:44	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:44	1
Cobalt	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:44	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:44	1
Iron	0.52		0.40	0.20	mg/L		04/12/23 08:09	04/12/23 21:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 08:09	04/12/23 21:44	1
Manganese	0.72		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:44	1
Nickel	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:44	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 08:09	04/12/23 21:44	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:44	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 08:09	04/12/23 21:44	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.056		0.050	0.010	mg/L		04/11/23 17:12	04/14/23 14:58	1
Barium	1.3		0.50	0.050	mg/L		04/11/23 17:12	04/14/23 14:58	1
Beryllium	0.011		0.0040	0.0040	mg/L		04/11/23 17:12	04/14/23 14:58	1
Cadmium	0.0033	J	0.0050	0.0020	mg/L		04/11/23 17:12	04/14/23 14:58	1
Chromium	0.23		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:58	1
Cobalt	0.047		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:58	1
Copper	0.14		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:58	1
Iron	230		0.40	0.20	mg/L		04/11/23 17:12	04/14/23 14:58	1
Lead	0.17		0.0075	0.0075	mg/L		04/11/23 17:12	04/14/23 14:58	1
Manganese	1.3		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:58	1
Nickel	0.14		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:58	1
Selenium	<0.050		0.050	0.020	mg/L		04/11/23 17:12	04/14/23 14:58	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-28(0-5)-040723

Lab Sample ID: 500-231932-13

Date Collected: 04/07/23 10:20

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 76.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:58	1
Zinc	0.87		0.50	0.020	mg/L		04/11/23 17:12	04/14/23 14:58	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		12	4.9	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Antimony	0.34	J B	1.2	0.23	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Arsenic	5.0		0.60	0.21	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Barium	93	B	0.60	0.068	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Beryllium	0.74	B	0.24	0.056	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Cadmium	0.31	B	0.12	0.022	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Calcium	59000		60	10	mg/Kg	☆	04/13/23 09:34	04/17/23 16:21	5
Chromium	13		0.60	0.30	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Cobalt	7.2		0.30	0.079	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Copper	14		0.60	0.17	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Iron	14000		12	6.2	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Lead	28		0.30	0.14	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Magnesium	29000		6.0	3.0	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Manganese	330	B	0.60	0.087	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Nickel	14		0.60	0.17	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Potassium	1400		30	11	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Selenium	<0.60		0.60	0.35	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Silver	0.40		0.30	0.077	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Sodium	3200		60	8.9	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Vanadium	22	B	0.30	0.071	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1
Zinc	76		1.2	0.53	mg/Kg	☆	04/13/23 09:34	04/14/23 19:57	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/11/23 17:05	04/12/23 11:50	1

Method: SW846 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		04/12/23 10:50	04/13/23 09:57	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043		0.021	0.011	mg/Kg	☆	04/12/23 17:00	04/13/23 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			04/11/23 20:27	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-31(0-5)-040723

Lab Sample ID: 500-231932-20

Date Collected: 04/07/23 12:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 86.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0072	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Carbon disulfide	<0.0042		0.0042	0.00086	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Chloroethane	<0.0042		0.0042	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Methylene Chloride	<0.0042		0.0042	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0018	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		75 - 131	04/08/23 12:30	04/17/23 14:58	1
Dibromofluoromethane (Surr)	99		75 - 126	04/08/23 12:30	04/17/23 14:58	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	04/08/23 12:30	04/17/23 14:58	1
Toluene-d8 (Surr)	95		75 - 124	04/08/23 12:30	04/17/23 14:58	1

Method: SW846 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	✳	04/17/23 14:10	04/18/23 20:17	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-31(0-5)-040723

Lab Sample ID: 500-231932-20

Date Collected: 04/07/23 12:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 86.3

Method: SW846 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	✳	04/17/23 14:10	04/18/23 20:17	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2-Methylnaphthalene	<0.076		0.076	0.0070	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Anthracene	0.016	J	0.038	0.0063	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Benzo[a]anthracene	0.059	*-	0.038	0.0051	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Benzo[a]pyrene	0.071		0.038	0.0073	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Benzo[b]fluoranthene	0.094		0.038	0.0082	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Benzo[g,h,i]perylene	0.070		0.038	0.012	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Benzo[k]fluoranthene	0.037	J	0.038	0.011	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Chrysene	0.056		0.038	0.010	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Fluoranthene	0.13		0.038	0.0070	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-31(0-5)-040723

Lab Sample ID: 500-231932-20

Date Collected: 04/07/23 12:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 86.3

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.064		0.038	0.0098	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
Phenanthrene	0.073		0.038	0.0053	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
Pyrene	0.11		0.038	0.0075	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	53		31 - 143	04/17/23 14:10	04/18/23 20:17	1
2-Fluorobiphenyl (Surr)	63		43 - 145	04/17/23 14:10	04/18/23 20:17	1
2-Fluorophenol (Surr)	69		31 - 166	04/17/23 14:10	04/18/23 20:17	1
Nitrobenzene-d5 (Surr)	76		37 - 147	04/17/23 14:10	04/18/23 20:17	1
Phenol-d5 (Surr)	72		30 - 153	04/17/23 14:10	04/18/23 20:17	1
Terphenyl-d14 (Surr)	64		42 - 157	04/17/23 14:10	04/18/23 20:17	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 08:09	04/12/23 22:40	1
Barium	0.28	J	0.50	0.050	mg/L		04/12/23 08:09	04/12/23 22:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 08:09	04/12/23 22:40	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		04/12/23 08:09	04/12/23 22:40	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:40	1
Cobalt	0.047		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:40	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:40	1
Iron	2.4		0.40	0.20	mg/L		04/12/23 08:09	04/12/23 22:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 08:09	04/12/23 22:40	1
Manganese	4.9		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:40	1
Nickel	0.053		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:40	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 08:09	04/12/23 22:40	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:40	1
Zinc	0.032	J	0.50	0.020	mg/L		04/12/23 08:09	04/12/23 22:40	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.026	J	0.050	0.010	mg/L		04/11/23 17:12	04/14/23 15:36	1
Barium	0.16	J	0.50	0.050	mg/L		04/11/23 17:12	04/14/23 15:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/23 17:12	04/14/23 15:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/23 17:12	04/14/23 15:36	1
Chromium	0.049		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 15:36	1
Cobalt	0.015	J	0.025	0.010	mg/L		04/11/23 17:12	04/14/23 15:36	1
Copper	0.064		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 15:36	1
Iron	58		0.40	0.20	mg/L		04/11/23 17:12	04/14/23 15:36	1
Lead	0.043		0.0075	0.0075	mg/L		04/11/23 17:12	04/14/23 15:36	1
Manganese	0.34		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 15:36	1
Nickel	0.052		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 15:36	1
Selenium	<0.050		0.050	0.020	mg/L		04/11/23 17:12	04/14/23 15:36	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-31(0-5)-040723

Lab Sample ID: 500-231932-20

Date Collected: 04/07/23 12:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 86.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 15:36	1
Zinc	0.17	J	0.50	0.020	mg/L		04/11/23 17:12	04/14/23 15:36	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8800		11	4.4	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Antimony	0.44	J B	1.1	0.21	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Arsenic	7.4		0.54	0.19	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Barium	84	B	2.7	0.31	mg/Kg	☆	04/13/23 09:34	04/17/23 16:40	5
Beryllium	0.67	B	0.22	0.051	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Cadmium	0.47	B	0.11	0.020	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Calcium	71000		54	9.2	mg/Kg	☆	04/13/23 09:34	04/17/23 16:40	5
Chromium	22		0.54	0.27	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Cobalt	7.1		0.27	0.071	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Copper	29		0.54	0.15	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Iron	20000		54	28	mg/Kg	☆	04/13/23 09:34	04/17/23 16:40	5
Lead	34		0.27	0.13	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Magnesium	40000		27	13	mg/Kg	☆	04/13/23 09:34	04/17/23 16:40	5
Manganese	460	B	0.54	0.079	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Nickel	19		2.7	0.79	mg/Kg	☆	04/13/23 09:34	04/17/23 16:40	5
Potassium	1400		27	9.6	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Selenium	<0.54		0.54	0.32	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Silver	0.26	J	0.27	0.070	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Sodium	1500		54	8.0	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Thallium	<0.54		0.54	0.27	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Vanadium	20	B	0.27	0.064	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Zinc	100		5.4	2.4	mg/Kg	☆	04/13/23 09:34	04/17/23 16:40	5

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/11/23 17:05	04/12/23 12:56	1

Method: SW846 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		04/12/23 10:50	04/13/23 10:20	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.019	0.0099	mg/Kg	☆	04/12/23 17:00	04/13/23 10:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0		0.2	0.2	SU			04/11/23 20:45	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

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 and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control 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.
S1-	Surrogate recovery exceeds control limits, low biased.

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 exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Glossary (Continued)

Abbreviation **These commonly used abbreviations may or may not be present in this report.**

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)
TNTC	Too Numerous To Count

- 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 - I-80, Joliet - WO 051

Job ID: 500-231932-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

1

2

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14

15

Chain of Custody Record

523563




Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <i>A. Slessers</i>		Site Contact: <i>C. Pence</i>		Date: <i>4-7-23</i>		COC No: _____		
Company Name: <i>Weston Solutions</i>		Tel/Email: _____		Lab Contact: <i>R. Wright</i>		Carrier: _____		_____ of <i>4</i> COCs		
Address: <i>300 Knightsbridge Pkwy</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day								
City/State/Zip: <i>Chicagoland, IL</i>										
Phone: _____		Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ VOCs _____ SVOCs _____ Metals _____ TSP / SPP Metals _____ PH _____								
Fax: _____										
Project Name: <i>EDBT 051</i>										
Site: <i>I-80</i>										
P O # _____		500-231932 COC 								
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp G=Grab)	Matrix	# of Cont.	Sample Specific Notes			
<i>1</i>	<i>Row-24 (0-5) -040723</i>	<i>4-7-23</i>	<i>0800</i>	<i>G</i>	<i>S</i>	<i>6</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>2</i>	<i>Row-22 (0-5) -040723</i>		<i>0815</i>							
<i>3</i>	<i>Row-21 (0-5) -040723</i>		<i>0840</i>							
<i>4</i>	<i>Row-21 (5-10) -040723</i>		<i>0845</i>							
<i>5</i>	<i>Row-21 (10-15) -040723</i>		<i>0850</i>							
<i>6</i>	<i>Row-21 (15-18) -040723</i>		<i>0855</i>							
<i>7</i>	<i>Row-23 (0-5) -040723</i>		<i>0900</i>							
<i>8</i>	<i>Row-25 (0-5) -040723</i>		<i>0920</i>							
<i>9</i>	<i>Row-25 (5-10) -040723</i>		<i>0925</i>							
<i>10</i>	<i>Row-26 (0-5) -040723</i>		<i>0940</i>							
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other _____										
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments: <i>5,3-74,2,4,1-73,0,5,4-743</i>										
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____		Corr'd: _____		Therm ID No _____		
Relinquished by <i>[Signature]</i>		Company: <i>WS</i>		Date/Time: <i>4-7-23/1610</i>		Received by: <i>[Signature]</i>		Company: <i>EETA</i>		
Relinquished by <i>[Signature]</i>		Company: <i>EETA</i>		Date/Time: <i>4/7/23/1657</i>		Received by: <i>[Signature]</i>		Company: <i>EETA</i>		
Relinquished by <i>[Signature]</i>		Company: _____		Date/Time: _____		Received by: <i>[Signature]</i>		Company: <i>EETA</i>		

Chain of Custody Record

523568



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name <u>Weston Solutions</u> Address <u>300 Kingsbridge Pkwy</u> City/State/Zip <u>Lincolnshire, IL</u> Phone _____ Fax _____ Project Name <u>FOOT 051</u> Site <u>I 80</u> P O # _____		Project Manager <u>A. Slesace</u> Tel/Email: _____ Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact <u>C. Pace</u> Date <u>4-7-23</u> Lab Contact <u>R. Wright</u> Carrier _____ COC No _____ of <u>4</u> COCs Sampler _____ For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/> Job / SDG No <u>500-231932</u>					
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Other Parameters	Sample Specific Notes
11 Row-27(0-5)-040723	4-7-23	0955	G	S	6			VOCs SVOCs Total Metals TCDF/SPLP Metals pH	
12 Row-27(0-5)-040723D		0955							
13 Row-28(0-5)-040723		1020							
14 Row-24(0-5)-040723		1040							
15 Row-28(5-10)-040723		1045							
16 RC-3(0-5)-040723		1050							
17 RC-3(5-10)-040723		1055							
18 RC-3(10-15)-040723		1100							
19 Row-30(0-5)-040723		1150							
20 Row-31(0-5)-040723		1200							
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other						Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months						Special Instructions/QC Requirements & Comments: _____			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____ Corr'd. _____		Therm ID No _____			
Relinquished by _____ Company <u>WS</u>		Date/Time <u>4-23/1610</u>		Received by _____ Company <u>EBTA</u>		Date/Time <u>4/23/23 1610</u>			
Relinquished by _____ Company <u>EBTA</u>		Date/Time <u>4/23/23 1657</u>		Received by _____ Company <u>EBTA</u>		Date/Time <u>4/23/23 1657</u>			



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/24/2023 5:24:52 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231934-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231934-1	ROW-32(0-5)-040723	Solid	04/07/23 12:25	04/07/23 16:57
500-231934-2	ROW-33(0-5)-040723	Solid	04/07/23 12:40	04/07/23 16:57
500-231934-3	ROW-34(0-5)-040723	Solid	04/07/23 12:55	04/07/23 16:57
500-231934-4	ROW-34(5-10)-040723	Solid	04/07/23 13:00	04/07/23 16:57
500-231934-5	ROW-35(0-5)-040723	Solid	04/07/23 13:10	04/07/23 16:57
500-231934-6	ROW-35(5-10)-040723	Solid	04/07/23 13:15	04/07/23 16:57
500-231934-7	ROW-35(5-10)-040723D	Solid	04/07/23 13:15	04/07/23 16:57
500-231934-8	ROW-35(10-15)-040723	Solid	04/07/23 13:20	04/07/23 16:57
500-231934-9	ROW-36(0-5)-040723	Solid	04/07/23 13:35	04/07/23 16:57
500-231934-10	DB-2(0-5)-040723	Solid	04/07/23 14:40	04/07/23 16:57
500-231934-11	DB-2(5-10)-040723	Solid	04/07/23 14:45	04/07/23 16:57
500-231934-12	DB-3(0-5)-040723	Solid	04/07/23 15:00	04/07/23 16:57
500-231934-13	DB-3(5-10)-040723	Solid	04/07/23 15:05	04/07/23 16:57
500-231934-14	DB-1(0-5)-040723	Solid	04/07/23 15:25	04/07/23 16:57
500-231934-15	DB-1(0-5)-040723D	Solid	04/07/23 15:25	04/07/23 16:57
500-231934-16	DB-1(5-10)-040723	Solid	04/07/23 15:30	04/07/23 16:57



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-32(0-5)-040723

Lab Sample ID: 500-231934-1

Date Collected: 04/07/23 12:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.014		0.014	0.0062	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Bromoform	<0.0014		0.0014	0.00041	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Bromomethane	<0.0036		0.0036	0.0013	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Carbon disulfide	<0.0036		0.0036	0.00074	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Chlorobenzene	<0.0014		0.0014	0.00052	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Chloroform	<0.0014		0.0014	0.00049	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Chloromethane	<0.0036		0.0036	0.0014	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Dibromochloromethane	<0.0014		0.0014	0.00046	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00050	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00045	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Tetrachloroethene	<0.0014		0.0014	0.00048	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1
Xylenes, Total	<0.0028		0.0028	0.00045	mg/Kg	☆	04/08/23 12:30	04/17/23 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		75 - 131	04/08/23 12:30	04/17/23 18:48	1
Dibromofluoromethane (Surr)	96		75 - 126	04/08/23 12:30	04/17/23 18:48	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	04/08/23 12:30	04/17/23 18:48	1
Toluene-d8 (Surr)	89		75 - 124	04/08/23 12:30	04/17/23 18:48	1

Method: SW846 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	☆	04/20/23 07:08	04/20/23 18:37	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	04/20/23 07:08	04/20/23 18:37	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	04/20/23 07:08	04/20/23 18:37	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☆	04/20/23 07:08	04/20/23 18:37	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	04/20/23 07:08	04/20/23 18:37	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-32(0-5)-040723

Lab Sample ID: 500-231934-1

Date Collected: 04/07/23 12:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.3

Method: SW846 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	☼	04/20/23 07:08	04/20/23 18:37	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2-Methylnaphthalene	<0.076		0.076	0.0070	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Benzo[a]pyrene	<0.038	*3	0.038	0.0073	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Benzo[b]fluoranthene	<0.038	*3	0.038	0.0082	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Benzo[g,h,i]perylene	<0.038	*3	0.038	0.012	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Benzo[k]fluoranthene	<0.038	*3	0.038	0.011	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Dibenz(a,h)anthracene	<0.038	*3	0.038	0.0073	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-32(0-5)-040723

Lab Sample ID: 500-231934-1

Date Collected: 04/07/23 12:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.3

Method: SW846 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	*3	0.038	0.0098	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	54		31 - 143	04/20/23 07:08	04/20/23 18:37	1
2-Fluorobiphenyl (Surr)	79		43 - 145	04/20/23 07:08	04/20/23 18:37	1
2-Fluorophenol (Surr)	84		31 - 166	04/20/23 07:08	04/20/23 18:37	1
Nitrobenzene-d5 (Surr)	96		37 - 147	04/20/23 07:08	04/20/23 18:37	1
Phenol-d5 (Surr)	88		30 - 153	04/20/23 07:08	04/20/23 18:37	1
Terphenyl-d14 (Surr)	93		42 - 157	04/20/23 07:08	04/20/23 18:37	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 16:53	04/13/23 12:44	1
Barium	<0.50		0.50	0.050	mg/L		04/12/23 16:53	04/13/23 12:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:53	04/13/23 12:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:53	04/13/23 12:44	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:44	1
Cobalt	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:44	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:44	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:53	04/13/23 12:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:53	04/13/23 12:44	1
Manganese	1.1	B	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:44	1
Nickel	0.011	J	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:44	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:53	04/13/23 12:44	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:44	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 16:53	04/13/23 12:44	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.016	J	0.050	0.010	mg/L		04/12/23 16:54	04/13/23 22:06	1
Barium	0.11	J	0.50	0.050	mg/L		04/12/23 16:54	04/13/23 22:06	1
Beryllium	0.0087		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 22:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 22:06	1
Chromium	0.15		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:06	1
Cobalt	0.010	J	0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:06	1
Copper	0.10		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:06	1
Iron	33		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 22:06	1
Lead	0.027		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 22:06	1
Manganese	0.14		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:06	1
Nickel	0.039		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:06	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 22:06	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-32(0-5)-040723

Lab Sample ID: 500-231934-1

Date Collected: 04/07/23 12:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:06	1
Zinc	0.037	J B	0.50	0.020	mg/L		04/12/23 16:54	04/13/23 22:06	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3500	B	11	4.4	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Antimony	<1.1	F1	1.1	0.21	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Arsenic	0.45	J F1	0.54	0.19	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Barium	9.3		0.54	0.062	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Beryllium	0.46		0.22	0.051	mg/Kg	☆	04/13/23 09:36	04/14/23 20:37	1
Cadmium	0.040	J B F1	0.11	0.020	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Calcium	12000	B F2	11	1.8	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Chromium	5.1	F1	0.54	0.27	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Cobalt	1.0		0.27	0.071	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Copper	4.3	B	0.54	0.15	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Iron	1900	B	11	5.6	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Lead	2.5		0.27	0.13	mg/Kg	☆	04/13/23 09:36	04/14/23 20:37	1
Magnesium	5400	B	5.4	2.7	mg/Kg	☆	04/13/23 09:36	04/14/23 20:37	1
Manganese	38	B F1 F2	0.54	0.079	mg/Kg	☆	04/13/23 09:36	04/14/23 20:37	1
Nickel	2.6		0.54	0.16	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Potassium	1700	F1	27	9.6	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Selenium	<0.54	F1	0.54	0.32	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Silver	0.65	F1	0.27	0.070	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Sodium	1100		54	8.0	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Thallium	<0.54		0.54	0.27	mg/Kg	☆	04/13/23 09:36	04/14/23 20:37	1
Vanadium	2.6		0.27	0.064	mg/Kg	☆	04/13/23 09:36	04/14/23 20:37	1
Zinc	2.0		1.1	0.48	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 11:08	1

Method: SW846 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		04/13/23 11:45	04/14/23 09:06	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.018		0.018	0.0096	mg/Kg	☆	04/12/23 17:00	04/13/23 07:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4		0.2	0.2	SU			04/11/23 20:47	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-33(0-5)-040723

Lab Sample ID: 500-231934-2

Date Collected: 04/07/23 12:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.014		0.014	0.0062	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Bromoform	<0.0014		0.0014	0.00041	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Bromomethane	<0.0035		0.0035	0.0013	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Carbon disulfide	<0.0035		0.0035	0.00074	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Chlorobenzene	<0.0014		0.0014	0.00052	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Chloroethane	<0.0035		0.0035	0.0010	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Chloroform	<0.0014		0.0014	0.00049	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Chloromethane	<0.0035		0.0035	0.0014	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Dibromochloromethane	<0.0014		0.0014	0.00046	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
1,2-Dichloroethane	<0.0035		0.0035	0.0011	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
1,3-Dichloropropane, Total	<0.0014		0.0014	0.00050	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
2-Hexanone	<0.0035		0.0035	0.0011	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Methylene Chloride	<0.0035		0.0035	0.0014	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Methyl Ethyl Ketone	<0.0035		0.0035	0.0016	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
methyl isobutyl ketone	<0.0035		0.0035	0.0010	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00045	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Tetrachloroethene	<0.0014		0.0014	0.00048	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1
Xylenes, Total	<0.0028		0.0028	0.00045	mg/Kg	☼	04/08/23 12:30	04/17/23 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	04/08/23 12:30	04/17/23 19:14	1
Dibromofluoromethane (Surr)	95		75 - 126	04/08/23 12:30	04/17/23 19:14	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	04/08/23 12:30	04/17/23 19:14	1
Toluene-d8 (Surr)	91		75 - 124	04/08/23 12:30	04/17/23 19:14	1

Method: SW846 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	☼	04/20/23 07:08	04/20/23 20:16	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-33(0-5)-040723

Lab Sample ID: 500-231934-2

Date Collected: 04/07/23 12:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.9

Method: SW846 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	✳	04/20/23 07:08	04/20/23 20:16	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
3,3'-Dichlorobenzidine	<0.19	*3	0.19	0.053	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Benzo[a]anthracene	<0.038	*3	0.038	0.0051	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Benzo[a]pyrene	<0.038	*3	0.038	0.0073	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Benzo[b]fluoranthene	<0.038	*3	0.038	0.0081	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Benzo[g,h,i]perylene	<0.038	*3	0.038	0.012	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Benzo[k]fluoranthene	<0.038	*3	0.038	0.011	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Bis(2-ethylhexyl) phthalate	<0.19	*3	0.19	0.069	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Butyl benzyl phthalate	<0.19	*3	0.19	0.072	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Chrysene	<0.038	*3	0.038	0.010	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Dibenz(a,h)anthracene	<0.038	*3	0.038	0.0073	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Fluoranthene	0.024	J	0.038	0.0070	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-33(0-5)-040723

Lab Sample ID: 500-231934-2

Date Collected: 04/07/23 12:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.9

Method: SW846 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	*3	0.038	0.0098	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Pyrene	0.025	J *3	0.038	0.0075	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	57		31 - 143	04/20/23 07:08	04/20/23 20:16	1
2-Fluorobiphenyl (Surr)	72		43 - 145	04/20/23 07:08	04/20/23 20:16	1
2-Fluorophenol (Surr)	76		31 - 166	04/20/23 07:08	04/20/23 20:16	1
Nitrobenzene-d5 (Surr)	84		37 - 147	04/20/23 07:08	04/20/23 20:16	1
Phenol-d5 (Surr)	80		30 - 153	04/20/23 07:08	04/20/23 20:16	1
Terphenyl-d14 (Surr)	89	*3	42 - 157	04/20/23 07:08	04/20/23 20:16	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J B	0.050	0.010	mg/L		04/12/23 16:53	04/13/23 12:48	1
Barium	0.50		0.50	0.050	mg/L		04/12/23 16:53	04/13/23 12:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:53	04/13/23 12:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:53	04/13/23 12:48	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:48	1
Cobalt	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:48	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:48	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:53	04/13/23 12:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:53	04/13/23 12:48	1
Manganese	0.58	B	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:48	1
Nickel	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:48	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:53	04/13/23 12:48	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:48	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 16:53	04/13/23 12:48	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.066		0.050	0.010	mg/L		04/12/23 16:54	04/13/23 22:09	1
Barium	0.74		0.50	0.050	mg/L		04/12/23 16:54	04/13/23 22:09	1
Beryllium	0.0076		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 22:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 22:09	1
Chromium	0.16		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:09	1
Cobalt	0.037		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:09	1
Copper	0.13		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:09	1
Iron	170		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 22:09	1
Lead	0.11		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 22:09	1
Manganese	1.3		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:09	1
Nickel	0.14		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:09	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 22:09	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-33(0-5)-040723

Lab Sample ID: 500-231934-2

Date Collected: 04/07/23 12:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:09	1
Zinc	0.63	B	0.50	0.020	mg/L		04/12/23 16:54	04/13/23 22:09	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6100	B	12	4.7	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Antimony	0.42	J	1.2	0.22	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Arsenic	7.0		0.58	0.20	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Barium	30		0.58	0.066	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Beryllium	0.56		0.23	0.054	mg/Kg	☆	04/13/23 09:36	04/14/23 21:00	1
Cadmium	0.21	B	0.12	0.021	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Calcium	78000	B	58	9.8	mg/Kg	☆	04/13/23 09:36	04/18/23 14:34	5
Chromium	8.0		0.58	0.28	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Cobalt	6.6		0.29	0.075	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Copper	12	B	0.58	0.16	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Iron	14000	B	12	6.0	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Lead	15		0.29	0.13	mg/Kg	☆	04/13/23 09:36	04/14/23 21:00	1
Magnesium	46000	B	29	14	mg/Kg	☆	04/13/23 09:36	04/18/23 14:34	5
Manganese	340	B	0.58	0.083	mg/Kg	☆	04/13/23 09:36	04/14/23 21:00	1
Nickel	14		0.58	0.17	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Potassium	1400		29	10	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Silver	0.24	J	0.29	0.074	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Sodium	940		58	8.5	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	04/13/23 09:36	04/14/23 21:00	1
Vanadium	14		0.29	0.068	mg/Kg	☆	04/13/23 09:36	04/14/23 21:00	1
Zinc	39		1.2	0.51	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 11:10	1

Method: SW846 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		04/13/23 11:45	04/14/23 09:09	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.019	0.010	mg/Kg	☆	04/12/23 17:00	04/13/23 07:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4		0.2	0.2	SU			04/11/23 20:50	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-34(0-5)-040723

Lab Sample ID: 500-231934-3

Date Collected: 04/07/23 12:55

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 76.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0071	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Carbon disulfide	<0.0041		0.0041	0.00085	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Carbon tetrachloride	<0.0016		0.0016	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Chlorobenzene	<0.0016		0.0016	0.00061	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Chloroform	<0.0016		0.0016	0.00057	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Dibromochloromethane	<0.0016		0.0016	0.00054	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00058	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Styrene	<0.0016		0.0016	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Tetrachloroethene	<0.0016		0.0016	0.00056	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00073	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00058	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Vinyl chloride	<0.0016		0.0016	0.00073	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Xylenes, Total	<0.0033		0.0033	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	04/08/23 12:30	04/17/23 19:40	1
Dibromofluoromethane (Surr)	97		75 - 126	04/08/23 12:30	04/17/23 19:40	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	04/08/23 12:30	04/17/23 19:40	1
Toluene-d8 (Surr)	88		75 - 124	04/08/23 12:30	04/17/23 19:40	1

Method: SW846 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	✳	04/20/23 07:08	04/20/23 19:01	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	✳	04/20/23 07:08	04/20/23 19:01	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	✳	04/20/23 07:08	04/20/23 19:01	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	✳	04/20/23 07:08	04/20/23 19:01	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.049	mg/Kg	✳	04/20/23 07:08	04/20/23 19:01	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-34(0-5)-040723

Lab Sample ID: 500-231934-3

Date Collected: 04/07/23 12:55

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 76.8

Method: SW846 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	☼	04/20/23 07:08	04/20/23 19:01	1
2,4,6-Trichlorophenol	<0.42		0.42	0.14	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2,4-Dichlorophenol	<0.42		0.42	0.10	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2,4-Dinitrophenol	<0.85		0.85	0.74	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2,4-Dinitrotoluene	<0.21		0.21	0.067	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2,6-Dinitrotoluene	<0.21		0.21	0.083	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2-Chloronaphthalene	<0.21		0.21	0.047	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2-Chlorophenol	<0.21		0.21	0.072	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2-Methylnaphthalene	<0.085		0.085	0.0078	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2-Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2-Nitroaniline	<0.21		0.21	0.057	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2-Nitrophenol	<0.42		0.42	0.10	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
3 & 4 Methylphenol	<0.21		0.21	0.070	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.059	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
4,6-Dinitro-2-methylphenol	<0.85		0.85	0.34	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.056	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
4-Chloroaniline	<0.85		0.85	0.20	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
4-Nitrophenol	<0.85		0.85	0.40	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Acenaphthene	<0.042		0.042	0.0076	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Acenaphthylene	<0.042		0.042	0.0056	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Anthracene	<0.042		0.042	0.0070	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Benzo[a]anthracene	<0.042		0.042	0.0057	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Benzo[a]pyrene	<0.042	*3	0.042	0.0082	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Benzo[b]fluoranthene	<0.042	*3	0.042	0.0091	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Benzo[g,h,i]perylene	<0.042	*3	0.042	0.014	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Benzo[k]fluoranthene	<0.042	*3	0.042	0.012	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.077	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Butyl benzyl phthalate	<0.21		0.21	0.080	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Carbazole	<0.21		0.21	0.11	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Chrysene	<0.042		0.042	0.011	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Dibenz(a,h)anthracene	<0.042	*3	0.042	0.0081	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Di-n-octyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Fluoranthene	<0.042		0.042	0.0078	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Fluorene	<0.042		0.042	0.0059	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Hexachlorobenzene	<0.085		0.085	0.0098	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Hexachlorocyclopentadiene	<0.85		0.85	0.24	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Hexachloroethane	<0.21		0.21	0.064	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-34(0-5)-040723

Lab Sample ID: 500-231934-3

Date Collected: 04/07/23 12:55

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 76.8

Method: SW846 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	*3	0.042	0.011	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Naphthalene	<0.042		0.042	0.0065	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Nitrobenzene	<0.042		0.042	0.011	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
N-Nitrosodi-n-propylamine	<0.085		0.085	0.052	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
N-Nitrosodiphenylamine	<0.21		0.21	0.050	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Pentachlorophenol	<0.85		0.85	0.68	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Phenanthrene	<0.042		0.042	0.0059	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Phenol	<0.21		0.21	0.094	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Pyrene	<0.042		0.042	0.0084	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	55		31 - 143	04/20/23 07:08	04/20/23 19:01	1
2-Fluorobiphenyl (Surr)	74		43 - 145	04/20/23 07:08	04/20/23 19:01	1
2-Fluorophenol (Surr)	80		31 - 166	04/20/23 07:08	04/20/23 19:01	1
Nitrobenzene-d5 (Surr)	89		37 - 147	04/20/23 07:08	04/20/23 19:01	1
Phenol-d5 (Surr)	85		30 - 153	04/20/23 07:08	04/20/23 19:01	1
Terphenyl-d14 (Surr)	100		42 - 157	04/20/23 07:08	04/20/23 19:01	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J B	0.050	0.010	mg/L		04/12/23 16:53	04/13/23 12:51	1
Barium	0.72		0.50	0.050	mg/L		04/12/23 16:53	04/13/23 12:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:53	04/13/23 12:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:53	04/13/23 12:51	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:51	1
Cobalt	0.017	J	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:51	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:51	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:53	04/13/23 12:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:53	04/13/23 12:51	1
Manganese	6.2	B	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:51	1
Nickel	0.016	J	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:51	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:53	04/13/23 12:51	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:51	1
Zinc	0.048	J B	0.50	0.020	mg/L		04/12/23 16:53	04/13/23 12:51	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.057		0.050	0.010	mg/L		04/12/23 16:54	04/13/23 22:19	1
Barium	0.47	J	0.50	0.050	mg/L		04/12/23 16:54	04/13/23 22:19	1
Beryllium	0.0075		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 22:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 22:19	1
Chromium	0.12		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:19	1
Cobalt	0.045		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:19	1
Copper	0.12		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:19	1
Iron	130		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 22:19	1
Lead	0.12		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 22:19	1
Manganese	0.85		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:19	1
Nickel	0.12		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:19	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 22:19	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-34(0-5)-040723

Lab Sample ID: 500-231934-3

Date Collected: 04/07/23 12:55

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 76.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:19	1
Zinc	0.34	J B	0.50	0.020	mg/L		04/12/23 16:54	04/13/23 22:19	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6300	B	13	5.2	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Antimony	0.44	J	1.3	0.25	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Arsenic	5.5		0.64	0.22	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Barium	28		0.64	0.073	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Beryllium	0.74		0.26	0.060	mg/Kg	☆	04/13/23 09:36	04/14/23 21:03	1
Cadmium	0.18	B	0.13	0.023	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Calcium	64000	B	64	11	mg/Kg	☆	04/13/23 09:36	04/18/23 14:37	5
Chromium	7.6		0.64	0.32	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Cobalt	11		0.32	0.084	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Copper	11	B	0.64	0.18	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Iron	12000	B	13	6.7	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Lead	24		0.32	0.15	mg/Kg	☆	04/13/23 09:36	04/14/23 21:03	1
Magnesium	29000	B	6.4	3.2	mg/Kg	☆	04/13/23 09:36	04/14/23 21:03	1
Manganese	250	B	0.64	0.093	mg/Kg	☆	04/13/23 09:36	04/14/23 21:03	1
Nickel	17		0.64	0.19	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Potassium	2400		32	11	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Selenium	<0.64		0.64	0.38	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Silver	0.39		0.32	0.083	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Sodium	1900		64	9.5	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Thallium	<0.64		0.64	0.32	mg/Kg	☆	04/13/23 09:36	04/14/23 21:03	1
Vanadium	14		0.32	0.075	mg/Kg	☆	04/13/23 09:36	04/14/23 21:03	1
Zinc	24		1.3	0.56	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 11:12	1

Method: SW846 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		04/13/23 11:45	04/14/23 09:15	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.010	mg/Kg	☆	04/12/23 17:00	04/13/23 07:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.2	0.2	SU			04/11/23 20:52	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-34(5-10)-040723

Lab Sample ID: 500-231934-4

Date Collected: 04/07/23 13:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 91.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.014		0.014	0.0062	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Bromoform	<0.0014		0.0014	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Bromomethane	<0.0036		0.0036	0.0013	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Carbon disulfide	<0.0036		0.0036	0.00074	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Chlorobenzene	<0.0014		0.0014	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Chloroform	<0.0014		0.0014	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Chloromethane	<0.0036		0.0036	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Dibromochloromethane	<0.0014		0.0014	0.00047	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Tetrachloroethene	<0.0014		0.0014	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Xylenes, Total	<0.0029		0.0029	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		75 - 131	04/08/23 12:30	04/17/23 22:44	1
Dibromofluoromethane (Surr)	104		75 - 126	04/08/23 12:30	04/17/23 22:44	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 134	04/08/23 12:30	04/17/23 22:44	1
Toluene-d8 (Surr)	109		75 - 124	04/08/23 12:30	04/17/23 22:44	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.17		0.17	0.037	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
1,2-Dichlorobenzene	<0.17		0.17	0.041	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
1,3-Dichlorobenzene	<0.17		0.17	0.039	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
1,4-Dichlorobenzene	<0.17		0.17	0.044	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.040	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-34(5-10)-040723

Lab Sample ID: 500-231934-4

Date Collected: 04/07/23 13:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 91.1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.34		0.34	0.078	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
2,4,6-Trichlorophenol	<0.34		0.34	0.12	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
2,4-Dichlorophenol	<0.34		0.34	0.081	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
2,4-Dimethylphenol	<0.34		0.34	0.13	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
2,4-Dinitrophenol	<0.69		0.69	0.60	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
2,4-Dinitrotoluene	<0.17		0.17	0.054	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
2,6-Dinitrotoluene	<0.17		0.17	0.067	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
2-Chloronaphthalene	<0.17		0.17	0.038	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
2-Chlorophenol	<0.17		0.17	0.058	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
2-Methylnaphthalene	<0.069		0.069	0.0063	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
2-Methylphenol	<0.17		0.17	0.055	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
2-Nitroaniline	<0.17		0.17	0.046	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
2-Nitrophenol	<0.34		0.34	0.081	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
3 & 4 Methylphenol	<0.17		0.17	0.057	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.048	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
3-Nitroaniline	<0.34		0.34	0.11	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
4,6-Dinitro-2-methylphenol	<0.69		0.69	0.28	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.045	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
4-Chloro-3-methylphenol	<0.34		0.34	0.12	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
4-Chloroaniline	<0.69		0.69	0.16	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.040	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
4-Nitroaniline	<0.34		0.34	0.14	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
4-Nitrophenol	<0.69		0.69	0.33	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Acenaphthene	<0.034		0.034	0.0062	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Acenaphthylene	<0.034		0.034	0.0045	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Anthracene	<0.034		0.034	0.0057	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Benzo[a]anthracene	<0.034		0.034	0.0046	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Benzo[a]pyrene	<0.034		0.034	0.0066	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Benzo[b]fluoranthene	<0.034		0.034	0.0074	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Benzo[g,h,i]perylene	<0.034		0.034	0.011	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Benzo[k]fluoranthene	<0.034		0.034	0.010	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.035	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.051	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.063	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Butyl benzyl phthalate	<0.17		0.17	0.065	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Carbazole	<0.17		0.17	0.086	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Chrysene	<0.034		0.034	0.0093	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Dibenz(a,h)anthracene	<0.034		0.034	0.0066	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Dibenzofuran	<0.17		0.17	0.040	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Diethyl phthalate	<0.17		0.17	0.058	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Dimethyl phthalate	<0.17		0.17	0.045	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Di-n-butyl phthalate	<0.17		0.17	0.052	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Di-n-octyl phthalate	<0.17		0.17	0.056	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Fluoranthene	<0.034		0.034	0.0063	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Fluorene	<0.034		0.034	0.0048	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Hexachlorobenzene	<0.069		0.069	0.0079	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Hexachlorobutadiene	<0.17		0.17	0.054	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Hexachlorocyclopentadiene	<0.69		0.69	0.20	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
Hexachloroethane	<0.17		0.17	0.052	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-34(5-10)-040723

Lab Sample ID: 500-231934-4

Date Collected: 04/07/23 13:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 91.1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.034		0.034	0.0089	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
Isophorone	<0.17		0.17	0.038	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
Naphthalene	<0.034		0.034	0.0053	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
Nitrobenzene	<0.034		0.034	0.0085	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
N-Nitrosodi-n-propylamine	<0.069		0.069	0.042	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
N-Nitrosodiphenylamine	<0.17		0.17	0.040	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
Pentachlorophenol	<0.69		0.69	0.55	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
Phenanthrene	<0.034		0.034	0.0048	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
Phenol	<0.17		0.17	0.076	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
Pyrene	<0.034		0.034	0.0068	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	66		31 - 143	04/20/23 07:08	04/20/23 18:12	1
2-Fluorobiphenyl (Surr)	87		43 - 145	04/20/23 07:08	04/20/23 18:12	1
2-Fluorophenol (Surr)	88		31 - 166	04/20/23 07:08	04/20/23 18:12	1
Nitrobenzene-d5 (Surr)	92		37 - 147	04/20/23 07:08	04/20/23 18:12	1
Phenol-d5 (Surr)	91		30 - 153	04/20/23 07:08	04/20/23 18:12	1
Terphenyl-d14 (Surr)	104		42 - 157	04/20/23 07:08	04/20/23 18:12	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J B	0.050	0.010	mg/L		04/12/23 16:53	04/13/23 12:54	1
Barium	0.22	J	0.50	0.050	mg/L		04/12/23 16:53	04/13/23 12:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:53	04/13/23 12:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:53	04/13/23 12:54	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:54	1
Cobalt	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:54	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:54	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:53	04/13/23 12:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:53	04/13/23 12:54	1
Manganese	1.4	B	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:54	1
Nickel	0.013	J	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:54	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:53	04/13/23 12:54	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:54	1
Zinc	0.021	J B	0.50	0.020	mg/L		04/12/23 16:53	04/13/23 12:54	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 16:54	04/13/23 22:22	1
Barium	<0.50		0.50	0.050	mg/L		04/12/23 16:54	04/13/23 22:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 22:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 22:22	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:22	1
Cobalt	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:22	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:22	1
Iron	0.57		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 22:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 22:22	1
Manganese	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:22	1
Nickel	0.021	J	0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:22	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 22:22	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-34(5-10)-040723

Lab Sample ID: 500-231934-4

Date Collected: 04/07/23 13:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 91.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:22	1
Zinc	0.16	J B	0.50	0.020	mg/L		04/12/23 16:54	04/13/23 22:22	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5300	B	10	4.2	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Antimony	<1.0		1.0	0.20	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Arsenic	4.9		0.51	0.17	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Barium	25		2.5	0.29	mg/Kg	☆	04/13/23 09:36	04/18/23 14:40	5
Beryllium	0.43		0.20	0.048	mg/Kg	☆	04/13/23 09:36	04/14/23 21:06	1
Cadmium	0.21	B	0.10	0.018	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Calcium	100000	B	51	8.6	mg/Kg	☆	04/13/23 09:36	04/18/23 14:40	5
Chromium	7.5		0.51	0.25	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Cobalt	4.6		0.25	0.067	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Copper	10	B	0.51	0.14	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Iron	13000	B	51	27	mg/Kg	☆	04/13/23 09:36	04/18/23 14:40	5
Lead	8.1		0.25	0.12	mg/Kg	☆	04/13/23 09:36	04/14/23 21:06	1
Magnesium	61000	B	25	13	mg/Kg	☆	04/13/23 09:36	04/18/23 14:40	5
Manganese	310	B	0.51	0.074	mg/Kg	☆	04/13/23 09:36	04/14/23 21:06	1
Nickel	11		0.51	0.15	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Potassium	870		25	9.0	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Selenium	<0.51		0.51	0.30	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Silver	0.19	J	0.25	0.066	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Sodium	380		51	7.5	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Thallium	<0.51		0.51	0.25	mg/Kg	☆	04/13/23 09:36	04/14/23 21:06	1
Vanadium	15		0.25	0.060	mg/Kg	☆	04/13/23 09:36	04/14/23 21:06	1
Zinc	30		1.0	0.45	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 11:14	1

Method: SW846 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		04/13/23 11:45	04/14/23 09:17	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	J	0.017	0.0090	mg/Kg	☆	04/12/23 17:00	04/13/23 07:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/11/23 14:52	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-36(0-5)-040723

Lab Sample ID: 500-231934-9

Date Collected: 04/07/23 13:35

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 81.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.023		0.016	0.0070	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Methyl Ethyl Ketone	0.0048		0.0040	0.0018	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	04/08/23 12:30	04/18/23 00:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		75 - 131	04/08/23 12:30	04/18/23 00:41	1
Dibromofluoromethane (Surr)	102		75 - 126	04/08/23 12:30	04/18/23 00:41	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	04/08/23 12:30	04/18/23 00:41	1
Toluene-d8 (Surr)	106		75 - 124	04/08/23 12:30	04/18/23 00:41	1

Method: SW846 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	☼	04/20/23 07:08	04/20/23 15:43	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	04/20/23 07:08	04/20/23 15:43	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	04/20/23 07:08	04/20/23 15:43	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	04/20/23 07:08	04/20/23 15:43	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	04/20/23 07:08	04/20/23 15:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-36(0-5)-040723

Lab Sample ID: 500-231934-9

Date Collected: 04/07/23 13:35

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 81.7

Method: SW846 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	✱	04/20/23 07:08	04/20/23 15:43	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Carbazole	<0.20		0.20	0.098	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✱	04/20/23 07:08	04/20/23 15:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-36(0-5)-040723

Lab Sample ID: 500-231934-9

Date Collected: 04/07/23 13:35

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 81.7

Method: SW846 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	☼	04/20/23 07:08	04/20/23 15:43	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/20/23 07:08	04/20/23 15:43	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/20/23 07:08	04/20/23 15:43	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/20/23 07:08	04/20/23 15:43	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/20/23 07:08	04/20/23 15:43	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/20/23 07:08	04/20/23 15:43	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	04/20/23 07:08	04/20/23 15:43	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	04/20/23 07:08	04/20/23 15:43	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/20/23 07:08	04/20/23 15:43	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	04/20/23 07:08	04/20/23 15:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	62		31 - 143				04/20/23 07:08	04/20/23 15:43	1
2-Fluorobiphenyl (Surr)	63		43 - 145				04/20/23 07:08	04/20/23 15:43	1
2-Fluorophenol (Surr)	68		31 - 166				04/20/23 07:08	04/20/23 15:43	1
Nitrobenzene-d5 (Surr)	73		37 - 147				04/20/23 07:08	04/20/23 15:43	1
Phenol-d5 (Surr)	72		30 - 153				04/20/23 07:08	04/20/23 15:43	1
Terphenyl-d14 (Surr)	81		42 - 157				04/20/23 07:08	04/20/23 15:43	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 16:53	04/13/23 13:17	1
Barium	1.2		0.50	0.050	mg/L		04/12/23 16:53	04/13/23 13:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:53	04/13/23 13:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:53	04/13/23 13:17	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:17	1
Cobalt	0.015	J	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:17	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:17	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:53	04/13/23 13:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:53	04/13/23 13:17	1
Manganese	5.3	B	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:17	1
Nickel	0.020	J	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:17	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:53	04/13/23 13:17	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:17	1
Zinc	0.058	J B	0.50	0.020	mg/L		04/12/23 16:53	04/13/23 13:17	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.074		0.050	0.010	mg/L		04/12/23 16:54	04/13/23 22:38	1
Barium	1.4		0.50	0.050	mg/L		04/12/23 16:54	04/13/23 22:38	1
Beryllium	0.0087		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 22:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 22:38	1
Chromium	0.17		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:38	1
Cobalt	0.076		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:38	1
Copper	0.17		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:38	1
Iron	200		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 22:38	1
Lead	0.11		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 22:38	1
Manganese	2.6		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:38	1
Nickel	0.18		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:38	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 22:38	1

Euofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-36(0-5)-040723

Lab Sample ID: 500-231934-9

Date Collected: 04/07/23 13:35

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 81.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:38	1
Zinc	0.61	B	0.50	0.020	mg/L		04/12/23 16:54	04/13/23 22:38	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000	B	12	4.7	mg/Kg	☆	04/13/23 09:36	04/17/23 20:23	1
Antimony	<1.2		1.2	0.22	mg/Kg	☆	04/13/23 09:36	04/17/23 20:23	1
Arsenic	9.3		0.58	0.20	mg/Kg	☆	04/13/23 09:36	04/17/23 20:23	1
Barium	140		0.58	0.066	mg/Kg	☆	04/13/23 09:36	04/17/23 20:23	1
Beryllium	0.81		0.23	0.054	mg/Kg	☆	04/13/23 09:36	04/14/23 21:29	1
Cadmium	0.18	B	0.12	0.021	mg/Kg	☆	04/13/23 09:36	04/17/23 20:23	1
Calcium	8200	B	12	2.0	mg/Kg	☆	04/13/23 09:36	04/17/23 20:23	1
Chromium	15		0.58	0.29	mg/Kg	☆	04/13/23 09:36	04/17/23 20:23	1
Cobalt	11		0.29	0.076	mg/Kg	☆	04/13/23 09:36	04/17/23 20:23	1
Copper	14	B	0.58	0.16	mg/Kg	☆	04/13/23 09:36	04/17/23 20:23	1
Iron	20000	B	12	6.0	mg/Kg	☆	04/13/23 09:36	04/17/23 20:23	1
Lead	16		0.29	0.13	mg/Kg	☆	04/13/23 09:36	04/14/23 21:29	1
Magnesium	6200	B	5.8	2.9	mg/Kg	☆	04/13/23 09:36	04/14/23 21:29	1
Manganese	380	B	0.58	0.084	mg/Kg	☆	04/13/23 09:36	04/14/23 21:29	1
Nickel	21		0.58	0.17	mg/Kg	☆	04/13/23 09:36	04/14/23 21:29	1
Potassium	1100		29	10	mg/Kg	☆	04/13/23 09:36	04/17/23 20:23	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/13/23 09:36	04/17/23 20:23	1
Silver	0.42		0.29	0.074	mg/Kg	☆	04/13/23 09:36	04/17/23 20:23	1
Sodium	2300		58	8.5	mg/Kg	☆	04/13/23 09:36	04/17/23 20:23	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	04/13/23 09:36	04/14/23 21:29	1
Vanadium	32		0.29	0.068	mg/Kg	☆	04/13/23 09:36	04/14/23 21:29	1
Zinc	62		1.2	0.51	mg/Kg	☆	04/13/23 09:36	04/17/23 20:23	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 11:29	1

Method: SW846 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		04/13/23 11:45	04/14/23 09:28	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.019	0.010	mg/Kg	☆	04/12/23 17:00	04/13/23 07:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.1		0.2	0.2	SU			04/11/23 21:04	1

Definitions/Glossary

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

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
*3	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.

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 exceeds control 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record

538481



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name <i>Western Solutions</i> Address <i>300 Knightsbridge Pkwy</i> City/State/Zip <i>Lynchburg, VA</i> Phone _____ Fax _____ Project Name <i>IDOT OSI</i> Site <i>I-80</i> P O # _____		Project Manager <i>A Slesers</i> Tel/Email: _____		Site Contact <i>C. Perce</i> Lab Contact <i>R. Wright</i>		Date <i>4-7-23</i> Carrier _____		COC No <i>3</i> of <i>4</i> COCs Sampler _____ For Lab Use Only: Walk-in Client _____ Lab Sampling _____ Job / SDG No <i>500-231934</i>	
Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=Grab) Matrix # of Cont.		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCS SUOCS Total Metals TCEP / SPPB Metals pH		500-231934 COC 		Sample Specific Notes	
1 ROW-32(0-5)-040723 4/7/23 1225 G S 6 X X X X X		2 ROW-33(0-5)-040723 1240							
3 ROW-34(0-5)-040723 1255									
4 ROW-34(5-10)-040723 1300									
5 ROW-35(0-5)-040723 1310									
6 ROW-35(5-10)-040723 1315									
7 ROW-35(5-10)-040723D 1315									
8 ROW-35(10-15)-040723 1320									
9 ROW-36(0-5)-040723 1335									
10 DB-2(0-5)-040723 1440									
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments: <p style="text-align: right;"><i>5.4 → 4.3, 5.3 → 4.2, 4.1 → 3.0</i></p>									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____			
Relinquished by <i>[Signature]</i> Company <i>WS</i>		Date/Time <i>4-7-23/1110</i>		Received by <i>[Signature]</i> Company <i>EPA</i>		Date/Time <i>4/7/23 1610</i>			
Relinquished by <i>Daryl Henderson</i> Company <i>EPA</i>		Date/Time <i>4/7/23/1457</i>		Received by <i>[Signature]</i> Company <i>EPA</i>		Date/Time <i>4/7/23 1657</i>			

Chain of Custody Record 640949



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>A. Slosser</u>		Site Contact: <u>e. Ryan</u>		Date: <u>4-7-23</u>		COC No	
Company Name <u>Weston Solutions</u>		Tel/Email:		Lab Contact: <u>R. Wyant</u>		Carrier:		<u>4</u> of <u>4</u> COCs	
Address <u>300 Kuyuk Bridge Pkwy</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		Filtered Sample (Y/N) Perform MS/MSD (Y/N)		VOCs SVOCs Total Metals TCAP/SALP metals pH		Sampler:	
City/State/Zip <u>Lincolnshire, IL</u>								TAT if different from Below _____	
Phone _____		<input type="checkbox"/> 2 weeks						Walk-in Client <input type="checkbox"/>	
Fax _____		<input type="checkbox"/> 1 week						Lab Sampling <input type="checkbox"/>	
Project Name <u>100T 051</u>		<input type="checkbox"/> 2 days						Job / SDG No	
Site <u>R-80</u>		<input type="checkbox"/> 1 day						<u>500-231934</u>	
P O # _____								Sample Specific Notes	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sample Specific Notes
<u>DB-2 (5-10) -040723</u>		<u>4-7-23</u>	<u>1445</u>	<u>G</u>	<u>S</u>	<u>6</u>			
<u>DB-3 (0-5) -040723</u>			<u>1500</u>						
<u>DB-3 (5-10) -040723</u>			<u>1505</u>						
<u>DB-1 (0-5) -040723</u>			<u>1525</u>						
<u>DB-1 (0-5) -040723D</u>			<u>1525</u>						
<u>DB-1 (5-10) -040723</u>			<u>1530</u>						
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments:									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp. (°C). Obs'd _____		Corr'd _____		Therm ID No _____	
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>4-7-23/1610</u>		Received by: <u>[Signature]</u>		Company: <u>ETA</u> Date/Time: <u>4-7-23 1610</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>ETA</u>		Date/Time: <u>4/7/23/1657</u>		Received by: <u>[Signature]</u>		Company: <u>ETA</u> Date/Time: <u>4/7/23 1657</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>ETA</u>		Date/Time: <u>4/7/23/1657</u>		Received in Laboratory by: <u>[Signature]</u>		Company: <u>ETA</u> Date/Time: <u>4/7/23 1657</u>	



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 80 (I-80) - e/o River Rd to w/o Houbolt Rd Office Phone Number, if available: _____

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

I-80 Westbound Mainline (ISGS Site 2233V3-1)

City: Various State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.48649 Longitude: - 88.19742
(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.): 23,700

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 DR-4, RC-4, ROW-41, ROW-45 THROUGH ROW-51, ROW-53 THROUGH ROW-58, ROW-61 THROUGH ROW-65, ROW-67 AND ROW-69 WERE SAMPLED ALONG I-80. SEE FIGURES 3-1 THROUGH 3-9, AND TABLE 4-1 OF THE 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]:

EUROFINS ANALYTICAL REPORTS - JOB ID: 500-231095-1, 500-231240-1, 500-231241-1, 500-232206-1, 500-232207-1, AND 500-232288-1. ALSO SEE FIGURES 4-1 THROUGH 4-9 OF THE PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

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

Company Name: Weston Solutions, Inc.
Street Address: 300 Knightsbridge Parkway; Suite 360
City: Lincolnshire State: IL Zip Code: 60069
Phone: (224) 864-7200

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

Michael A. Castillo
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

7 June 2023
Date:

Seal:

Summary Table - I-80 ROW - WB Mainline (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location Field Sample ID Sample Date ISGS Site No	Reference Concentrations (MAC Table)	ROW-41	ROW-45	ROW-45	ROW-46	ROW-47	ROW-48	ROW-48	ROW-49	ROW-50	ROW-50
		ROW-41(0-5)-041323	ROW-45(0-5)-041423	ROW-45(5-10)-041423	ROW-46(0-5)-041323	ROW-47(0-5)-041323	ROW-48(0-5)-041323	ROW-48(0-5)-041423	ROW-49(0-5)-041323	ROW-50(0-5)-041323	ROW-50(0-5)-041323D
		4/13/2023	4/14/2023	4/14/2023	4/13/2023	4/13/2023	4/13/2023	4/14/2023	4/13/2023	4/13/2023	4/13/2023
		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
Laboratory pH	<6.25, >9.0	7.4	8.7	8.0	7.7	7.7	7.8	8.9	8.3	7.6	7.6
VOCs (mg/kg)											
Acetone	25	0.054	ND	0.0094 J	0.027	0.0086 J	0.11	ND	ND	0.0095 J	0.014 J
Carbon disulfide	9	ND	ND	ND	ND	ND	0.0009 J	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	---	0.011	ND	ND	ND	ND	0.027	ND	ND	ND	0.0026 J
Toluene	12	ND	0.0005 J	ND	ND	ND	ND	0.00086 J	ND	ND	ND
Vinyl Chloride	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (mg/kg)											
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	0.02 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	---	0.011 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	0.062	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	0.33	ND	ND	ND	ND	0.023 J	ND	ND	0.016 J	0.014 J
Benzo(a)pyrene	0.09 / 11 / 2.1	0.43	ND	ND	ND	ND	0.02 J	ND	ND	0.015 J	0.016 J
Benzo(b)fluoranthene	0.9 / 13 / 2.1	0.6	ND	ND	ND	ND	0.028 J	ND	0.011 J	0.021 J	0.02 J
Benzo(g,h,i)perylene	---	0.38	ND	ND	ND	ND	0.025 J	ND	ND	0.021 J	0.021 J
Benzo(k)fluoranthene	9	0.26	ND	ND	ND	ND	0.012 J	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	46	0.29	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	0.46	ND	ND	ND	ND	0.019 J	ND	ND	0.013 J	0.015 J
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	0.089	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	0.72	ND	ND	ND	ND	0.027 J	ND	ND	0.012 J	0.018 J
Fluorene	560	0.02 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	0.46	ND	ND	ND	ND	0.04	ND	ND	0.032 J	0.042
Naphthalene	1.8	0.016 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	0.32	ND	ND	ND	ND	0.012 J	0.0098 J	ND	0.011 J	0.012 J
Pyrene	2300	0.7	ND	ND	0.01 J	0.0098 J	0.029 J	ND	ND	0.015 J	0.023 J
Total Metals (mg/kg)											
Aluminum, Total	---	9100	3100	2800	5500	4500	6900	2200 J	6900	11000	13000
Antimony, Total	5	0.4 J	0.32 J	0.33 J	0.54 J	0.33 J	0.79 J	0.31 J	0.47 J	0.37 J	0.29 J
Arsenic, Total	11.3 / 13	4.6	4.3	4	5.8	4.6	12	3 J	7.7	7.2	6.2
Barium, Total	1500	83	14 B	18 B	59	25	46	12 B	37	110	86
Beryllium, Total	22	0.65	0.48 J	0.43 J	0.52	0.52	0.8	0.42 J	0.67	0.79	0.78
Cadmium, Total	5.2	0.8 B	0.16 J	ND	0.14 J	ND	0.12 J	0.64 J	0.14 J	0.16 J	0.14 J
Calcium, Total	---	36000 B	110000 B	110000 B	110000 B	73000 B	59000 B	110000 B	56000 B	61000 B	44000 B
Chromium, Total	21	14	4.8	4.4	6.9	11	7.6	3.8	7.8	16	16
Cobalt, Total	20	7.7	5.7	6.7	9.3	7.4	23	4.2	14	11	10
Copper, Total	2900	25 B	6.6	7.7	8 J	7.7 J	16 B	6.1	11 B	20 B	18 B
Iron, Total	15000 / 15900	13000	11000	12000	14000	8800	21000	9600	15000	19000	18000
Lead, Total	107	110	14	16	14	17	27	11 J	22	15	20
Magnesium, Total	325000	21000 B	62000 B	67000 B	61000 B	42000 B	31000 B	65000 B	33000 B	25000 B	20000 B
Manganese, Total	630 / 636	250	220 B	240 B	350	230	300	250 B	380	440	360
Mercury, Total	0.89	0.029	0.012 J	0.016 J	0.024	0.021	0.026	ND	0.024	0.018	0.019
Nickel, Total	100	18	13	13	16	19	43	9.6	23	29	25
Potassium, Total	---	1000	1200	1100	1100	1400	1600	1100 J	1200	2000	1600
Selenium, Total	1.3	0.42 J	ND	ND	ND	ND	ND	ND	ND	0.37 J	0.42 J
Silver, Total	4.4	0.3 J	0.18 J	0.21 J	0.25 J	0.37	0.33	0.11 J	0.35	0.37	0.33
Sodium, Total	---	950	480	510	700	610	1100	560	740	680	760
Thallium, Total	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	550	18	7.6 B	7.4 B	13	9	14	5.6 B	15	22	25
Zinc, Total	5100	140	17	12	24	16	41	45 J	33	60	62

Summary Table - I-80 ROW - WB Mainline (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location Field Sample ID Sample Date ISGS Site No	Reference Concentrations (MAC Table)	ROW-41	ROW-45	ROW-45	ROW-46	ROW-47	ROW-48	ROW-48	ROW-49	ROW-50	ROW-50
		ROW-41(0-5)- 041323	ROW-45(0-5)- 041423	ROW-45(5-10)- 041423	ROW-46(0-5)- 041323	ROW-47(0-5)- 041323	ROW-48(0-5)- 041323	ROW-48(0-5)- 041423	ROW-49(0-5)- 041323	ROW-50(0-5)- 041323	ROW-50(0-5)- 041323
		4/13/2023	4/14/2023	4/14/2023	4/13/2023	4/13/2023	4/13/2023	4/14/2023	4/13/2023	4/13/2023	4/13/2023
		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)											
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	0.011 J	ND	ND	ND	ND
Barium, TCLP	2	0.99	0.11 J	0.52	0.62	0.16 J	0.62	0.13 J	0.064 J	0.81	0.94
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	0.002 J	ND	ND	ND	ND	ND	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.065	0.056	0.028	0.028	0.057	0.039	0.043	0.026	ND	0.011 J
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND
Lead, TCLP	0.0075	ND	ND	ND	0.03	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	13	5.8	3.6	3.4	3.3	8.3	4.1	1.4	1.9 J	5.3 J
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.047	0.091	0.041	0.032	0.061	0.033	0.052	0.067	ND	0.016 J
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	0.027 J	0.039 J	ND	0.42 J	ND	0.12 J	ND	ND	ND	0.039 J
SPLP Metals (mg/l)											
Arsenic, SPLP	0.05	ND	ND	ND	0.054	0.015 J	0.051	0.011 J	0.014 J	0.046 J	0.049 J
Barium, SPLP	2	0.11 J	0.052 J	0.097 J	1.1	0.15 J	0.8	0.13 J	0.053 J	0.58	0.55
Beryllium, SPLP	0.004	ND	ND	ND	0.0069	ND	0.0065	0.004	ND	0.0056	0.0059
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.021 J	0.035	0.037	0.13	0.048	0.12	0.051	0.035	0.11	0.12
Cobalt, SPLP	1	ND	ND	0.014 J	0.071	0.021 J	0.042	0.015 J	0.013 J	0.05	0.056
Copper, SPLP	0.65	0.019 J	0.014 J	0.037	0.1	0.038	0.1	0.023 J	0.021 J	0.11	0.12
Iron, SPLP	5	16	25	31	150	42	140	40	35	120	120
Lead, SPLP	0.0075	0.015	0.012	0.033	0.13	0.058	0.11	0.027	0.029	0.076	0.084
Manganese, SPLP	0.15	0.14	0.18	0.25	2.5	0.23	1.8	0.33	0.15	1.3	1.2
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.01 J	0.019 J	0.031	0.12	0.05	0.1	0.044	0.044	0.14	0.15
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.11 J	0.068 J	0.034 J	0.33 J	0.09 J	0.31 J	0.038 J	0.04 J	0.38 J	0.4 J

Summary Table - I-80 ROW - WB Mainline (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location Field Sample ID Sample Date ISGS Site No	Reference Concentrations (MAC Table)	ROW-51	ROW-53	ROW-53	ROW-53	ROW-54	ROW-55	ROW-55	ROW-55	ROW-56	ROW-56
		ROW-51(0-5)- 041323	ROW-53(0-5)- 041323	ROW-53(5-10)- 041323	ROW-53(10-15)- 041323	ROW-54(0-5)- 041323	ROW-55(0-5)- 041323	ROW-55(5-10)- 041323	ROW-55(10-15)- 041323	ROW-56(0-5)- 041323	ROW-56(0-5)- 041323D
		4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023
		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
Laboratory pH	<6.25, >9.0	7.8	8.6	8.2	7.5	7.3	7.3	7.5	7.3	7.9	7.9
VOCs (mg/kg)											
Acetone	25	0.021	0.011 J	ND	0.008 J	0.013 J	0.017 J	ND	ND	ND	0.01 J
Carbon disulfide	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	---	0.0025 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (mg/kg)											
2-Methylnaphthalene	---	ND	ND	0.012 J	ND	ND	ND	ND	ND	ND	0.025 J
Acenaphthene	570	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	ND	0.039	ND	ND	ND	ND	ND	ND	0.027 J	ND
Benzo(a)pyrene	0.09 / 11 / 2.1	ND	0.03 J	ND	ND	ND	ND	ND	ND	0.024 J	ND
Benzo(b)fluoranthene	0.9 / 13 / 2.1	ND	0.019 J	ND	ND	ND	ND	ND	ND	0.038 J	ND
Benzo(g,h,i)perylene	---	ND	ND	0.017 J	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	ND	0.066	ND	ND	ND	ND	ND	ND	0.033 J	ND
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	ND	0.0093 J	ND	ND	0.0075 J	ND	ND	ND	0.044	ND
Fluorene	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	ND	ND	ND	ND	ND	ND	ND	ND	0.022 J	ND
Naphthalene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	ND	0.0099 J	0.029 J	ND	0.011 J	ND	ND	ND	0.027 J	0.034 J
Pyrene	2300	ND	0.07	0.013 J	ND	0.013 J	ND	ND	ND	0.052	0.014 J
Total Metals (mg/kg)											
Aluminum, Total	---	4600	7900	8000	12000	8200	14000	13000	12000	11000	12000
Antimony, Total	5	0.33 J	0.28 J	0.26 J	0.38 J	0.31 J	0.27 J	0.36 J	0.41 J	0.41 J	0.32 J
Arsenic, Total	11.3 / 13	4.5	6.5	7.1	8	5.8	5.2	11	6.3	8.5	5.9
Barium, Total	1500	23	40	38	59 B	43	83 B	71 B	70 B	58 B	52 B
Beryllium, Total	22	0.6	0.58	0.62	0.79 J	0.65 J	0.89 J	0.88 J	0.86 J	0.77 J	0.86 J
Cadmium, Total	5.2	ND	0.19 J	0.15 J	0.16 J	0.26 J	0.17 J	0.25 J	0.27 J	0.18 J	0.18 J
Calcium, Total	---	88000 B	86000 B	76000 B	53000 B	100000 B	30000	57000 B	69000 B	66000 B	69000 B
Chromium, Total	21	5.4	10	12	15	13	17	17	17	15	17
Cobalt, Total	20	6.6	7.9	9.9	11	8.7	9.5	10	9.4	11	13
Copper, Total	2900	5.5 J	15 B	22 B	20	19	21	20	20	20	22
Iron, Total	15000 / 15900	15000	16000	19000	21000	20000 B	19000	23000	19000	20000	20000
Lead, Total	107	13	41	11	13	36	14	13	11	23	14
Magnesium, Total	325000	51000 B	49000 B	39000 B	23000	54000 B	16000	21000	24000	28000	28000
Manganese, Total	630 / 636	240	330	330	570	360	250	360	390	370	420
Mercury, Total	0.89	ND	0.015 J	0.011 J	0.031	0.015 J	0.017 J	0.021	0.014 J	0.016 J	0.017 J
Nickel, Total	100	14	18	25	26	25	28	28	29	28	32
Potassium, Total	---	1300	1400	2000	2000	1800	1800	2400	2800	2500	3200
Selenium, Total	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, Total	4.4	0.39	0.23 J	0.23 J	0.29	0.24 J	0.33	0.37	0.31	0.29	0.35
Sodium, Total	---	640	770	620	110	910	960	230	130	920	820
Thallium, Total	2.6	ND	ND	ND	0.61	0.37 J	0.87	0.59	0.44 J	0.58	0.66
Vanadium, Total	550	9.2	17	17	22 B	20 B	25 B	25 B	21 B	20 B	22 B
Zinc, Total	5100	10	68	50	61	62	67	65	59	60	60

Summary Table - I-80 ROW - WB Mainline (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location	Reference Concentrations (MAC Table)	ROW-51	ROW-53	ROW-53	ROW-53	ROW-54	ROW-55	ROW-55	ROW-55	ROW-56	ROW-56	
Field Sample ID		ROW-51(0-5)-041323	ROW-53(0-5)-041323	ROW-53(5-10)-041323	ROW-53(10-15)-041323	ROW-54(0-5)-041323	ROW-55(0-5)-041323	ROW-55(5-10)-041323	ROW-55(10-15)-041323	ROW-56(0-5)-041323	ROW-56(0-5)-041323D	
Sample Date		4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)												
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	0.012 J	ND	ND	
Barium, TCLP	2	0.16 J	0.41 J	0.35 J	0.69	0.54	0.26 J	0.34 J	0.67	0.77	0.79	
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cadmium, TCLP	0.005	ND	0.0021 J	0.0023 J	ND	ND	ND	0.0031 J	ND	0.0025 J	0.0027 J	
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cobalt, TCLP	1	0.02 J	ND	0.045	0.011 J	ND	ND	0.029	0.011 J	0.037	0.036	
Copper, TCLP	0.65	ND	ND	0.035	ND	ND	ND	ND	ND	0.01 J	0.01 J	
Iron, TCLP	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Lead, TCLP	0.0075	ND	ND	0.0076	ND	ND	ND	ND	ND	0.0083	ND	
Manganese, TCLP	0.15	3.2	0.81	5.1	7	3.2	3.9	5.4	4.8	8.4	7.6	
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nickel, TCLP	0.1	0.039	ND	0.055	0.011 J	0.01 J	0.013 J	0.041	0.024 J	0.031	0.033	
Selenium, TCLP	0.05	0.021 J	ND	ND	0.024 J	ND	ND	ND	0.02 J	ND	ND	
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc, TCLP	5	0.036 J	0.073 J	0.04 J	ND	ND	0.024 J	0.023 J	ND	0.027 J	0.02 J	
SPLP Metals (mg/l)												
Arsenic, SPLP	0.05	0.023 J	0.079	ND	0.013 J	0.08	ND	ND	ND	0.081	0.061	
Barium, SPLP	2	0.18 J	0.46 J	ND	0.15 J	0.72	0.061 J	ND	ND	0.69	0.76	
Beryllium, SPLP	0.004	0.0051	0.0091	ND	ND	0.0091	ND	ND	ND	0.011	0.012	
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chromium, SPLP	0.1	0.066	0.17	ND	0.037	0.18	0.014 J	ND	ND	0.21	0.23	
Cobalt, SPLP	1	0.028	0.093	ND	0.016 J	0.084	ND	ND	ND	0.11	0.12	
Copper, SPLP	0.65	0.037	0.24	ND	0.038	0.2	0.013 J	ND	ND	0.22	0.22	
Iron, SPLP	5	61	200	2.4	38	200	11	0.33 J	1.4	210	210	
Lead, SPLP	0.0075	0.051	0.18	ND	0.013	0.095	ND	ND	ND	0.11	0.15	
Manganese, SPLP	0.15	0.73	1.8	0.031	0.59	1.8	0.12	0.016 J	0.027	1.8	2.3	
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nickel, SPLP	0.1	0.066	0.24	ND	0.039	0.25	0.011 J	ND	ND	0.3	0.32	
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc, SPLP	5	0.064 J	0.65	ND	0.09 J	0.54	0.027 J	ND	ND	0.56	0.61	

Summary Table - I-80 ROW - WB Mainline (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location Field Sample ID Sample Date ISGS Site No	Reference Concentrations (MAC Table)	ROW-57	ROW-58	ROW-58	ROW-61	ROW-62	ROW-62	ROW-62	ROW-63	ROW-64	ROW-65
		ROW-57(0-5)-032423	ROW-58(0-5)-032423	ROW-58(0-5)-032423D	ROW-61(0-5)-032423	ROW-62(0-5)-041323	ROW-62(5-10)-041323	ROW-62(10-15)-041323	ROW-63(0-5)-041323	ROW-64(0-5)-041323	ROW-65(0-5)-041323
		3/24/2023	3/24/2023	3/24/2023	3/24/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023
		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
Laboratory pH	<6.25, >9.0	7.5	7.8	7.7	8.8	7.8	7.8	7.4	6.9	7.4	8.7
VOCs (mg/kg)											
Acetone	25	ND	0.0078 J	0.013 J	ND	0.015 J	0.011 J	ND	0.033	ND	ND
Carbon disulfide	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.4	ND	ND	ND	ND	ND	ND	ND	0.0046	ND	ND
Methyl ethyl ketone	---	ND	ND	ND	ND	ND	ND	ND	0.0069	ND	ND
Toluene	12	ND	ND	ND	ND	ND	ND	0.00099 J	ND	ND	0.0012 J
Vinyl Chloride	0.01	ND	ND	ND	ND	ND	ND	ND	0.0055	ND	ND
SVOCs (mg/kg)											
2-Methylnaphthalene	---	ND	0.016 J	0.017 J	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	0.014 J	0.0076 J	ND	ND	ND	ND	ND	0.017 J	ND	0.029 J
Benzo(a)pyrene	0.09 / 11 / 2.1	0.024 J	0.013 J	ND	ND	ND	ND	ND	0.016 J	ND	0.024 J
Benzo(b)fluoranthene	0.9 / 13 / 2.1	0.029 J	0.015 J	ND	ND	ND	ND	ND	0.023 J	ND	0.032 J
Benzo(g,h,i)perylene	---	0.015 J	0.022 J	ND	0.013 J	ND	ND	ND	ND	ND	0.036
Benzo(k)fluoranthene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	0.02 J	0.021 J	0.012 J	ND	ND	ND	ND	0.014 J	ND	0.022 J
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	0.024 J	0.01 J	ND	ND	ND	0.0073 J	ND	0.021 J	ND	0.034 J
Fluorene	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	0.015 J	0.013 J	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	0.015 J	0.033 J	0.022 J	0.0079 J	0.022 J	ND	0.032 J	0.0099 J	ND	0.018 J
Pyrene	2300	0.022 J	0.019 J	0.008 J	ND	ND	0.011 J	ND	0.02 J	ND	0.035 J
Total Metals (mg/kg)											
Aluminum, Total	---	8800	9500	8400	12000	10000	15000	13000	8600	15000	2500
Antimony, Total	5	0.26 J	0.5 J	ND	ND	0.33 J	0.35 J	0.39 J	0.23 J	0.51 J	0.21 J
Arsenic, Total	11.3 / 13	8.2	7.6	7.2	7.6	8.7	6.2	5.6	4.9	9.7	3.8
Barium, Total	1500	46	35	28	78	46 B	120 B	87 B	75 B	72 B	10
Beryllium, Total	22	0.64	0.73	0.64	0.78	0.76 J	0.87 J	0.87 J	0.5 J	1 J	0.27 J
Cadmium, Total	5.2	ND	ND	0.21	0.18	0.17 J	0.21 J	0.13 J	0.31 J	0.14 J	0.14 J
Calcium, Total	---	57000	63000	73000 B	35000 B	65000 B	17000	51000 B	4900	3200	140000 B
Chromium, Total	21	13	15	14	17	15	17	17	13	18	4.8
Cobalt, Total	20	10	13	12	12	12	7.6	12	7.1	13	3.8
Copper, Total	2900	20 B	20 B	19	18	21	17	20	14	20	9.7
Iron, Total	15000 / 15900	18000	19000	17000	20000	19000	20000	19000	10000	27000	8700 B
Lead, Total	107	17	13	13	14	12	18	13	48	17	5.3
Magnesium, Total	325000	27000 B	27000 B	34000	16000	28000	11000	27000	3600	3400	86000 B
Manganese, Total	630 / 636	440	380	350	470	370	230	400	120	410	270
Mercury, Total	0.89	0.027	0.023	0.026	0.026	0.015 J	0.026	0.022	0.026	0.051	0.0097 J
Nickel, Total	100	24	31	29	27	29	21	29	12	27	8.3
Potassium, Total	---	1400	2300	2300	2000	2300	1400	3300	1000	840	950
Selenium, Total	1.3	ND	ND	ND	0.45 J	0.35 J	ND	ND	ND	ND	ND
Silver, Total	4.4	0.27 J	0.21 J	0.23 J	0.32	0.28	0.39	0.26 J	0.23 J	0.44	ND
Sodium, Total	---	510	360	350	1100	860	1300	520	650	1500	350
Thallium, Total	2.6	ND	0.34 J	ND	ND	0.67	0.61	0.73	0.47 J	0.61	ND
Vanadium, Total	550	21	18	17	25	20 B	30 B	23 B	20 B	30 B	8.3 B
Zinc, Total	5100	54	51	54	55	59	67	54	74	79	29

Summary Table - I-80 ROW - WB Mainline (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location	Reference Concentrations (MAC Table)	ROW-57	ROW-58	ROW-58	ROW-61	ROW-62	ROW-62	ROW-62	ROW-63	ROW-64	ROW-65	
Field Sample ID		ROW-57(0-5)-032423	ROW-58(0-5)-032423	ROW-58(0-5)-032423D	ROW-61(0-5)-032423	ROW-62(0-5)-041323	ROW-62(5-10)-041323	ROW-62(10-15)-041323	ROW-63(0-5)-041323	ROW-64(0-5)-041323	ROW-65(0-5)-041323	
Sample Date		3/24/2023	3/24/2023	3/24/2023	3/24/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023	4/13/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)												
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Barium, TCLP	2	0.11 J	0.25 J	0.25 J	0.72	0.68	0.62	0.4 J	0.91	0.24 J	0.34 J	
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cadmium, TCLP	0.005	0.002 J	0.003 J	ND	ND	ND	0.0028 J	0.0024 J	0.0026 J	ND	0.0023 J	
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cobalt, TCLP	1	0.024 J	0.1	0.02 J	0.021 J	ND	0.041	0.046	0.051	ND	0.011 J	
Copper, TCLP	0.65	ND	0.012 J	ND	ND	ND	ND	ND	ND	ND	ND	
Iron, TCLP	5	ND	0.35 J	ND	ND	ND	0.65	0.64	13	0.2 J	ND	
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	0.019	ND	ND	
Manganese, TCLP	0.15	1.9	6.4 J	2.3 J	7.3	4.8	8	5.5	20	0.13	2.4	
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nickel, TCLP	0.1	0.037	0.091	0.067	0.017 J	0.017 J	0.039	0.04	0.035	ND	0.031	
Selenium, TCLP	0.05	0.021 J	ND	ND	ND	ND	ND	ND	ND	ND	0.021 J	
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc, TCLP	5	ND	0.034 J	ND	0.022 J	ND	0.056 J	0.027 J	0.15 J	0.055 J	0.12 J	
SPLP Metals (mg/l)												
Arsenic, SPLP	0.05	ND	ND	ND	0.1	0.077	0.066	0.024 J	0.042 J	0.086	ND	
Barium, SPLP	2	ND	ND	ND	0.89	0.9	0.96	0.17 J	0.68	0.65	ND	
Beryllium, SPLP	0.004	ND	ND	ND	0.011	0.0096	0.0093	ND	0.0056	0.0099	ND	
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chromium, SPLP	0.1	ND	ND	ND	0.23	0.2	0.19	0.06	0.13	0.18	ND	
Cobalt, SPLP	1	ND	ND	ND	0.096	0.079	0.083	0.033	0.045	0.052	ND	
Copper, SPLP	0.65	ND	ND	ND	0.26	0.23	0.19	0.065	0.13	0.17	ND	
Iron, SPLP	5	ND	3.3 J	0.33 J	240	220	200	57	130	250	0.46	
Lead, SPLP	0.0075	ND	ND	ND	0.11	0.098	0.1	0.027	0.17	0.1	ND	
Manganese, SPLP	0.15	ND	0.046	0.063	2.7	1.5	2.1	0.45	1.4	1.4	ND	
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nickel, SPLP	0.1	ND	ND	ND	0.29	0.25	0.23	0.074	0.12	0.16	ND	
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc, SPLP	5	ND	ND	ND	0.63	0.65	0.65	0.15 J	0.45 J	0.64	ND	

**Summary Table - I-80 ROW - WB Mainline (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	ROW-65	ROW-67	ROW-69	ROW-69	DR-4	RC-4
Field Sample ID		ROW-65(5-10)-041323	ROW-67(0-5)-041523	ROW-69(0-5)-041523	ROW-69(0-5)-041523D	DR-4(0-5)-041523	RC-4(0-5)-032223
Sample Date		4/13/2023	4/15/2023	4/15/2023	4/15/2023	4/15/2023	3/22/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-48	2233V3-68
Laboratory pH	<6.25, >9.0	8.5	7.1	7.7	7.8	8.3	8.2
VOCs (mg/kg)							
Acetone	25	0.01 J	0.023	0.0098 J	0.028	0.011 J	ND
Carbon disulfide	9	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.4	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	---	ND	0.0051	ND	ND	ND	ND
Toluene	12	0.00099 J	ND	ND	ND	ND	ND
Vinyl Chloride	0.01	ND	ND	ND	ND	ND	ND
SVOCs (mg/kg)							
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	0.015 J	ND	ND	ND	ND
Acenaphthylene	---	ND	ND	ND	ND	ND	ND
Anthracene	12000	0.017 J	0.013 J	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	0.16	0.033 J	0.0098 J	0.012 J	ND	0.012 J
Benzo(a)pyrene	0.09 / 11 / 2.1	0.22	0.022 J	ND	ND	ND	0.021 J
Benzo(b)fluoranthene	0.9 / 13 / 2.1	0.2	0.024 J	ND	ND	ND	0.022 J
Benzo(g,h,i)perylene	---	0.17	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	9	0.06	0.011 J	ND	ND	ND	0.012 J
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	ND	ND
Chrysene	88	0.29	0.023 J	ND	ND	ND	0.017 J
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	0.19	0.054	ND	ND	ND	0.02 J
Fluorene	560	ND	0.012 J	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	0.12	0.026 J	ND	ND	ND	ND
Naphthalene	1.8	ND	ND	ND	ND	ND	ND
Phenanthrene	---	0.091	0.064	ND	0.0058 J	ND	0.0077 J
Pyrene	2300	0.17	0.053	ND	ND	ND	0.022 J
Total Metals (mg/kg)							
Aluminum, Total	---	3200	9000	12000	12000	2900	4400
Antimony, Total	5	0.39 J	0.3 J	0.42 J	0.55 J	0.31 J	0.28 J
Arsenic, Total	11.3 / 13	3.7	12	7	8.8	4.5	5.2
Barium, Total	1500	23	54 B	77 B	90 B	9.5 B	39
Beryllium, Total	22	0.33 J	0.66 J	0.7 J	0.79 J	0.32 J	0.47
Cadmium, Total	5.2	0.17 J	0.16 J	0.13 J	0.14 J	0.22 J	0.22
Calcium, Total	---	120000 B	61000 B	24000 B	31000 B	150000 B	84000 B
Chromium, Total	21	15	12	13	14	5.2	6.6
Cobalt, Total	20	4.3	14	13	12	4.8	6
Copper, Total	2900	13	23	18	20	14	10
Iron, Total	15000 / 15900	10000 B	16000	15000	19000	11000	13000 B
Lead, Total	107	10	13	14	16	7.5	15
Magnesium, Total	325000	73000 B	30000 B	15000 B	20000 B	87000 B	50000
Manganese, Total	630 / 636	350	460 B	250 B	330 B	260 B	340 B
Mercury, Total	0.89	0.011 J	0.025	0.031	0.033	ND	0.027
Nickel, Total	100	11	26	22	25	9.9	13
Potassium, Total	---	1100	1400	1000	1200	930	750
Selenium, Total	1.3	ND	ND	0.57 J	0.51 J	ND	ND
Silver, Total	4.4	ND	0.24 J	0.32	0.31	0.083 J	0.18 J
Sodium, Total	---	350	800	430	590	490	130
Thallium, Total	2.6	0.34 J	ND	ND	ND	ND	ND
Vanadium, Total	550	11 B	19 B	24 B	24 B	8.6 B	10
Zinc, Total	5100	52	59	51	58	33	33

**Summary Table - I-80 ROW - WB Mainline (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	ROW-65	ROW-67	ROW-69	ROW-69	DR-4	RC-4
Field Sample ID		ROW-65(5-10)-041323	ROW-67(0-5)-041523	ROW-69(0-5)-041523	ROW-69(0-5)-041523D	DR-4(0-5)-041523	RC-4(0-5)-032223
Sample Date		4/13/2023	4/15/2023	4/15/2023	4/15/2023	4/15/2023	3/22/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-48	2233V3-68
TCLP Metals (mg/l)							
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.19 J	0.74	0.77	0.79	0.096 J	0.29 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	ND	ND	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.017 J	0.019 J	0.032	0.037	0.031	ND
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	0.53	ND	ND	0.27 J	ND	0.22 J
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	1.6	7.5	9.5	7.9	2.1	0.68
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.025	0.013 J	0.024 J	0.026	0.023 J	ND
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	0.094 J	ND	0.036 J	ND	ND	0.034 J
SPLP Metals (mg/l)							
Arsenic, SPLP	0.05	ND	0.07	0.057	0.047 J	0.037 J	0.013 J
Barium, SPLP	2	0.07 J	0.4 J	0.67	0.42 J	0.082 J	0.14 J
Beryllium, SPLP	0.004	ND	0.0054	0.0065	0.0046	ND	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.021 J	0.094	0.11	0.08	0.047	0.049
Cobalt, SPLP	1	ND	0.051	0.049	0.034	0.034	ND
Copper, SPLP	0.65	0.02 J	0.15	0.14	0.12	0.092	0.031
Iron, SPLP	5	14	130	120	89	63	41
Lead, SPLP	0.0075	0.014	0.065	0.088	0.066	0.026	0.033
Manganese, SPLP	0.15	0.11	0.9	0.99	0.62	0.57	0.34
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.017 J	0.14	0.13	0.094	0.076	0.029
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.072 J	0.34 J	0.33 J	0.22 J	0.27 J	0.1 J

Notes and Abbreviations:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 3/31/2023 5:27:24 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231095-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231095-1	M-23(0-5)-032123	Solid	03/21/23 22:05	03/22/23 15:46
500-231095-2	M-23(5-10)-032123	Solid	03/21/23 22:10	03/22/23 15:46
500-231095-3	M-23(10-15)-032123	Solid	03/21/23 22:15	03/22/23 15:46
500-231095-4	M-22(0-5)-032123	Solid	03/21/23 22:40	03/22/23 15:46
500-231095-5	M-22(5-10)-032123	Solid	03/21/23 22:45	03/22/23 15:46
500-231095-6	M-21(0-5)-032123	Solid	03/21/23 23:10	03/22/23 15:46
500-231095-7	M-20(0-5)-032123	Solid	03/21/23 23:25	03/22/23 15:46
500-231095-8	M-19(0-5)-032123	Solid	03/21/23 23:50	03/22/23 15:46
500-231095-9	M-18(0-5)-032223	Solid	03/22/23 00:25	03/22/23 15:46
500-231095-10	RC-4(0-5)-032223	Solid	03/22/23 00:50	03/22/23 15:46
500-231095-11	55-1(0-5)-032223	Solid	03/22/23 02:25	03/22/23 15:46
500-231095-12	55-1(5-10)-032223	Solid	03/22/23 02:30	03/22/23 15:46
500-231095-13	55-1(10-15)-032223	Solid	03/22/23 02:35	03/22/23 15:46
500-231095-14	55-2(0-5)-032223	Solid	03/22/23 03:00	03/22/23 15:46
500-231095-15	55-2(5-10)-032223	Solid	03/22/23 03:05	03/22/23 15:46
500-231095-16	55-2-032223	Water	03/22/23 03:20	03/22/23 15:46
500-231095-17	55-2-032223D	Water	03/22/23 03:20	03/22/23 15:46
500-231095-18	Trip Blank	Water	03/21/23 00:00	03/22/23 15:46

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: RC-4(0-5)-032223

Lab Sample ID: 500-231095-10

Date Collected: 03/22/23 00:50

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 85.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0075	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Xylenes, Total	<0.0035		0.0035	0.00055	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		75 - 131	03/22/23 17:27	03/26/23 21:44	1
Dibromofluoromethane (Surr)	96		75 - 126	03/22/23 17:27	03/26/23 21:44	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	03/22/23 17:27	03/26/23 21:44	1
Toluene-d8 (Surr)	86		75 - 124	03/22/23 17:27	03/26/23 21:44	1

Method: SW846 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	☆	03/30/23 08:01	03/31/23 16:29	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☆	03/30/23 08:01	03/31/23 16:29	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☆	03/30/23 08:01	03/31/23 16:29	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☆	03/30/23 08:01	03/31/23 16:29	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.043	mg/Kg	☆	03/30/23 08:01	03/31/23 16:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: RC-4(0-5)-032223

Lab Sample ID: 500-231095-10

Date Collected: 03/22/23 00:50

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 85.3

Method: SW846 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	0.084	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2,4-Dichlorophenol	<0.37		0.37	0.087	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2-Chloronaphthalene	<0.18		0.18	0.041	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2-Chlorophenol	<0.18		0.18	0.063	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2-Methylnaphthalene	<0.074		0.074	0.0068	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Acenaphthylene	<0.037		0.037	0.0048	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Anthracene	<0.037		0.037	0.0061	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Benzo[a]anthracene	0.012	J	0.037	0.0049	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Benzo[a]pyrene	0.021	J *3	0.037	0.0071	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Benzo[b]fluoranthene	0.022	J *3	0.037	0.0079	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Benzof[g,h,i]perylene	<0.037	*3	0.037	0.012	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Benzo[k]fluoranthene	0.012	J *3	0.037	0.011	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.038	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Butyl benzyl phthalate	<0.18		0.18	0.070	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Carbazole	<0.18		0.18	0.092	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Chrysene	0.017	J	0.037	0.010	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Dibenz(a,h)anthracene	<0.037	*3	0.037	0.0071	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Fluoranthene	0.020	J	0.037	0.0068	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Hexachlorobutadiene	<0.18		0.18	0.058	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: RC-4(0-5)-032223

Lab Sample ID: 500-231095-10

Date Collected: 03/22/23 00:50

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 85.3

Method: SW846 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	*3	0.037	0.0095	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
Phenanthrene	0.0077	J	0.037	0.0051	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
Phenol	<0.18		0.18	0.082	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
Pyrene	0.022	J	0.037	0.0073	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	131		31 - 143	03/30/23 08:01	03/31/23 16:29	1
2-Fluorobiphenyl (Surr)	99		43 - 145	03/30/23 08:01	03/31/23 16:29	1
2-Fluorophenol (Surr)	121		31 - 166	03/30/23 08:01	03/31/23 16:29	1
Nitrobenzene-d5 (Surr)	79		37 - 147	03/30/23 08:01	03/31/23 16:29	1
Phenol-d5 (Surr)	94		30 - 153	03/30/23 08:01	03/31/23 16:29	1
Terphenyl-d14 (Surr)	123		42 - 157	03/30/23 08:01	03/31/23 16:29	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/29/23 16:10	03/30/23 15:22	1
Barium	0.29	J	0.50	0.050	mg/L		03/29/23 16:10	03/30/23 15:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/23 16:10	03/30/23 15:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/29/23 16:10	03/30/23 15:22	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:22	1
Cobalt	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:22	1
Copper	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:22	1
Iron	0.22	J	0.40	0.20	mg/L		03/29/23 16:10	03/30/23 15:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/23 16:10	03/30/23 15:22	1
Manganese	0.68		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:22	1
Nickel	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/23 16:10	03/30/23 15:22	1
Silver	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:22	1
Zinc	0.034	J	0.50	0.020	mg/L		03/29/23 16:10	03/30/23 15:22	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		03/30/23 06:15	03/31/23 13:37	1
Barium	0.14	J	0.50	0.050	mg/L		03/30/23 06:15	03/31/23 13:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 06:15	03/31/23 13:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 06:15	03/31/23 13:37	1
Chromium	0.049		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:37	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:37	1
Copper	0.031		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:37	1
Iron	41		0.40	0.20	mg/L		03/30/23 06:15	03/31/23 13:37	1
Lead	0.033		0.0075	0.0075	mg/L		03/30/23 06:15	03/31/23 13:37	1
Manganese	0.34		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:37	1
Nickel	0.029		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:37	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 06:15	03/31/23 13:37	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: RC-4(0-5)-032223

Lab Sample ID: 500-231095-10

Date Collected: 03/22/23 00:50

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 85.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:37	1
Zinc	0.10	J	0.50	0.020	mg/L		03/30/23 06:15	03/31/23 13:37	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4400		11	4.7	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Antimony	0.28	J	1.1	0.22	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Arsenic	5.2		0.57	0.20	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Barium	39		2.9	0.33	mg/Kg	☆	03/27/23 21:15	03/30/23 19:18	5
Beryllium	0.47		0.23	0.054	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Cadmium	0.22		0.11	0.021	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Calcium	84000	B	57	9.7	mg/Kg	☆	03/27/23 21:15	03/30/23 19:18	5
Chromium	6.6		0.57	0.28	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Cobalt	6.0		0.29	0.075	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Copper	10		0.57	0.16	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Iron	13000	B	57	30	mg/Kg	☆	03/27/23 21:15	03/30/23 19:18	5
Lead	15		0.29	0.13	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Magnesium	50000		29	14	mg/Kg	☆	03/27/23 21:15	03/30/23 19:18	5
Manganese	340	B	0.57	0.083	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Nickel	13		0.57	0.17	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Potassium	750		29	10	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Silver	0.18	J	0.29	0.074	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Sodium	130		57	8.5	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Thallium	<0.57		0.57	0.29	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Vanadium	10		0.29	0.068	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Zinc	33		1.1	0.50	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/30/23 11:25	03/31/23 10:20	1

Method: SW846 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		03/30/23 11:25	03/31/23 11:33	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.018	0.0094	mg/Kg	☆	03/28/23 15:10	03/29/23 08:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.2	0.2	SU			03/28/23 15:09	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	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
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery exceeds control 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
^-	Continuing Calibration Verification (CCV) is outside acceptance limits, low biased.
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 exceeds control 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record 640938




Environment Testing
America

Address _____

Regulatory Program. DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>A. Slagge</u>		Site Contact: <u>C. Pene</u>		Date: <u>3-21-23 to 3-22-23</u>		COC No		
Company Name: <u>Western Solutions</u>		Tel/Email		Lab Contact: <u>R. Wright</u>		Carrier		1 of 2 COCs		
Address: <u>300 Knightsbridge Hwy, Nagsco</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS / MSD (Y/N) <u>VOCs</u> <u>SVOCs</u> <u>Total Metals</u> <u>TEP/SEP Metals</u> <u>pH</u>		 500-231095 COC		Sampler		Job / SDG No <u>500-231095</u>
City/State/Zip: <u>Chesham, NJ 08059</u>								For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>		
Phone								Sample Specific Notes		
Fax										
Project Name: <u>DDT 051</u>										
Site: <u>I-80</u>										
PO #										

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Notes
1 M-23 (0-5) - 032123	3-21-23	2205	G	S	6			X X X X X
2 M-23 (5-10) - 032123		2210						
3 M-23 (10-15) - 032123		2215						
4 M-22 (0-5) - 032123		2240						
5 M-22 (5-10) - 032123		2245						
6 M-21 (0-5) - 032123		2310						
7 M-20 (0-5) - 032123		2325						
8 M-19 (0-5) - 032123		2350						
9 M-18 (0-5) - 032223	3-22-23	0025						
10 RC-4 (0-5) - 032223		0050						

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months	
---	--	--	--

Special Instructions/QC Requirements & Comments: 2.8 → 1.7, 3.9 → 2.8

Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____	
Relinquished by: <u>[Signature]</u>	Company: <u>WS</u>	Date/Time: <u>3-21-23/1215</u>	Received by: <u>[Signature]</u>	Company: <u>CETA</u>	Date/Time: <u>3-22-23 1215</u>		
Relinquished by: <u>[Signature]</u>	Company: <u>CETA</u>	Date/Time: <u>3-22-23 1540</u>	Received by: <u>[Signature]</u>	Company: <u>CETA</u>	Date/Time: _____		
Relinquished by: _____	Company: _____	Date/Time: _____	Received in Laboratory by: <u>[Signature]</u>	Company: <u>CETA</u>	Date/Time: <u>3/22/23 1540</u>		

Chain of Custody Record 640939



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager <u>A. Slezers</u>		Site Contact <u>C. Pore</u>		Date <u>3-22-23</u>		COC No		
Company Name <u>Weston Solutions</u>		Tel/Email		Lab Contact <u>R. Wright</u>		Carrier		2 of 2 COCs		
Address <u>300 Knightsbridge Pkwy Ste 20</u>		Analysis Turnaround Time								
City/State/Zip <u>Chickadee, IL 60069</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day								
Phone		Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ VOCs _____ SVOCs _____ Total Metals _____ TCLP / SPCP Metals _____ pH _____								
Fax										
Project Name <u>DOT 051</u>										
Site <u>Z-80</u>										
P O #										
Sampler		For Lab Use Only								
Walk-in Client		<input type="checkbox"/> Lab Sampling								
Job / SDG No		500-231095								
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes			
11	55-1(0-5)-032223	3-22-23	0225	G	S	6	X	X	X	
12	55-1(5-10)-032223		0230							
13	55-1(10-15)-032223		0235							
14	55-2(0-5)-032223		0300							
15	55-2(5-10)-032223		0305							
16	55-2-032223		0320	G	W	6	X	X	X	
17	55-2-032223D		0320	G	W	6	X	X	X	
18	Trip Blnk	-	-	-	W	2	X			
	55-2(10-15)-032223									
	<u>99 3/22/23</u>									
		Added by <u>BEA</u> Discard <u>SS 3/22/23</u> per client								
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____										
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments:										
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____		Corr'd _____		Therm ID No _____		
Relinquished by <u>[Signature]</u>		Company <u>WS</u>		Date/Time <u>3-22-23/1215</u>		Received by <u>[Signature]</u>		Company <u>EETA</u>		
Relinquished by <u>[Signature]</u>		Company <u>EETA</u>		Date/Time <u>3-22-23/1546</u>		Received by <u>[Signature]</u>		Company _____		
Relinquished by _____		Company _____		Date/Time _____		Received by _____		Company <u>EETA</u>		



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/6/2023 4:25:35 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231240-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231240-1	M-13(0-5)-032323	Solid	03/23/23 21:10	03/24/23 14:25
500-231240-2	M-14(0-5)-032323	Solid	03/23/23 21:30	03/24/23 14:25
500-231240-3	M-15(0-5)-032323	Solid	03/23/23 21:40	03/24/23 14:25
500-231240-4	M-15(0-5)-032323D	Solid	03/23/23 21:40	03/24/23 14:25
500-231240-5	M-15(5-10)-032323	Solid	03/23/23 21:45	03/24/23 14:25
500-231240-6	M-15(10-15)-032323	Solid	03/23/23 21:50	03/24/23 14:25
500-231240-7	M-15-032323	Water	03/23/23 22:25	03/24/23 14:25
500-231240-8	M-16(0-5)-032323	Solid	03/23/23 22:40	03/24/23 14:25
500-231240-9	M-16(5-10)-032323	Solid	03/23/23 22:45	03/24/23 14:25
500-231240-10	M-17(0-5)-032323	Solid	03/23/23 23:10	03/24/23 14:25
500-231240-11	M-17(5-10)-032323	Solid	03/23/23 23:20	03/24/23 14:25
500-231240-12	M-17(5-10)-032323D	Solid	03/23/23 23:20	03/24/23 14:25
500-231240-13	RC-2(0-5)-032323	Solid	03/23/23 23:40	03/24/23 14:25
500-231240-14	RC-2(5-10)-032323	Solid	03/23/23 23:50	03/24/23 14:25
500-231240-15	RC-2(10-15)-032323	Solid	03/23/23 23:55	03/24/23 14:25
500-231240-16	ROW-59(0-5)-032423	Solid	03/24/23 01:00	03/24/23 14:25
500-231240-17	ROW-60(0-5)-032423	Solid	03/24/23 01:20	03/24/23 14:25
500-231240-18	ROW-60(5-10)-032423	Solid	03/24/23 01:25	03/24/23 14:25
500-231240-19	ROW-57(0-5)-032423	Solid	03/24/23 02:40	03/24/23 14:25
500-231240-20	ROW-58(0-5)-032423	Solid	03/24/23 02:55	03/24/23 14:25

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: ROW-57(0-5)-032423

Lab Sample ID: 500-231240-19

Date Collected: 03/24/23 02:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 84.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0068	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Bromomethane	<0.0039	*	0.0039	0.0015	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
1,1,2,2-Tetrachloroethane	<0.0016	*3	0.0016	0.00050	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	✳	03/24/23 17:35	04/03/23 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	*3 S1+	75 - 131	03/24/23 17:35	04/03/23 15:26	1
Dibromofluoromethane (Surr)	99		75 - 126	03/24/23 17:35	04/03/23 15:26	1
1,2-Dichloroethane-d4 (Surr)	117		70 - 134	03/24/23 17:35	04/03/23 15:26	1
Toluene-d8 (Surr)	118		75 - 124	03/24/23 17:35	04/03/23 15:26	1

Method: SW846 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	✳	04/03/23 09:38	04/04/23 21:07	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1

Euofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: ROW-57(0-5)-032423

Lab Sample ID: 500-231240-19

Date Collected: 03/24/23 02:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 84.3

Method: SW846 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	✳	04/03/23 09:38	04/04/23 21:07	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Benzo[a]anthracene	0.014	J	0.038	0.0052	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Benzo[a]pyrene	0.024	J	0.038	0.0075	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Benzo[b]fluoranthene	0.029	J	0.038	0.0083	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Benzo[g,h,i]perylene	0.015	J	0.038	0.012	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Bis(2-chloroethyl)ether	<0.19	+	0.19	0.058	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Carbazole	<0.19		0.19	0.096	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Chrysene	0.020	J	0.038	0.011	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Fluoranthene	0.024	J	0.038	0.0072	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	✳	04/03/23 09:38	04/04/23 21:07	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: ROW-57(0-5)-032423

Lab Sample ID: 500-231240-19

Date Collected: 03/24/23 02:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 84.3

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.015	J	0.038	0.010	mg/Kg	☼	04/03/23 09:38	04/04/23 21:07	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/03/23 09:38	04/04/23 21:07	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/03/23 09:38	04/04/23 21:07	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	04/03/23 09:38	04/04/23 21:07	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/03/23 09:38	04/04/23 21:07	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	04/03/23 09:38	04/04/23 21:07	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/03/23 09:38	04/04/23 21:07	1
Phenanthrene	0.015	J	0.038	0.0054	mg/Kg	☼	04/03/23 09:38	04/04/23 21:07	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	04/03/23 09:38	04/04/23 21:07	1
Pyrene	0.022	J	0.038	0.0077	mg/Kg	☼	04/03/23 09:38	04/04/23 21:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol (Surr)</i>	70		31 - 143				04/03/23 09:38	04/04/23 21:07	1
<i>2-Fluorobiphenyl (Surr)</i>	79		43 - 145				04/03/23 09:38	04/04/23 21:07	1
<i>2-Fluorophenol (Surr)</i>	93		31 - 166				04/03/23 09:38	04/04/23 21:07	1
<i>Nitrobenzene-d5 (Surr)</i>	63		37 - 147				04/03/23 09:38	04/04/23 21:07	1
<i>Phenol-d5 (Surr)</i>	54		30 - 153				04/03/23 09:38	04/04/23 21:07	1
<i>Terphenyl-d14 (Surr)</i>	104		42 - 157				04/03/23 09:38	04/04/23 21:07	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 20:23	1
Barium	0.11	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 20:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 20:23	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 20:23	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:23	1
Cobalt	0.024	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:23	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:23	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 20:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 20:23	1
Manganese	1.9		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:23	1
Nickel	0.037		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:23	1
Selenium	0.021	J	0.050	0.020	mg/L		03/30/23 17:01	04/03/23 20:23	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:23	1
Zinc	<0.50		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 20:23	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 17:03	1
Barium	<0.50		0.50	0.050	mg/L		03/30/23 17:01	04/03/23 17:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 17:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 17:03	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 17:03	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 17:03	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 17:03	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 17:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 17:03	1
Manganese	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 17:03	1
Nickel	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 17:03	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 17:03	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: ROW-57(0-5)-032423

Lab Sample ID: 500-231240-19

Date Collected: 03/24/23 02:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 84.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 17:03	1
Zinc	<0.50		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 17:03	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8800		11	4.7	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Antimony	0.26	J	1.1	0.22	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Arsenic	8.2		0.57	0.20	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Barium	46		0.57	0.065	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Beryllium	0.64		0.23	0.053	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Cadmium	<0.11		0.11	0.021	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Calcium	57000		57	9.7	mg/Kg	☆	03/30/23 14:47	04/03/23 16:51	5
Chromium	13		0.57	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Cobalt	10		0.29	0.075	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Copper	20	B	0.57	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Iron	18000		11	5.9	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Lead	17		0.29	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Magnesium	27000	B	5.7	2.8	mg/Kg	☆	03/30/23 14:47	04/03/23 16:48	1
Manganese	440		0.57	0.083	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Nickel	24		0.57	0.17	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Potassium	1400		29	10	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Silver	0.27	J	0.29	0.074	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Sodium	510		57	8.5	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Thallium	<0.57		0.57	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Vanadium	21		0.29	0.067	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1
Zinc	54		1.1	0.50	mg/Kg	☆	03/30/23 14:47	03/31/23 23:45	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 12:24	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:31	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.018	0.0096	mg/Kg	☆	03/29/23 15:40	03/30/23 08:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			03/29/23 17:21	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: ROW-58(0-5)-032423

Lab Sample ID: 500-231240-20

Date Collected: 03/24/23 02:55

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 86.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0078	J	0.014	0.0062	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Bromoform	<0.0014		0.0014	0.00042	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Bromomethane	<0.0036	*-	0.0036	0.0014	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Carbon disulfide	<0.0036		0.0036	0.00074	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Chlorobenzene	<0.0014		0.0014	0.00053	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Chloroform	<0.0014		0.0014	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Chloromethane	<0.0036		0.0036	0.0014	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Dibromochloromethane	<0.0014		0.0014	0.00047	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
1,3-Dichloropropane, Total	<0.0014		0.0014	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00046	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Tetrachloroethene	<0.0014		0.0014	0.00049	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1
Xylenes, Total	<0.0029		0.0029	0.00046	mg/Kg	☆	03/24/23 17:35	04/03/23 15:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		75 - 131	03/24/23 17:35	04/03/23 15:50	1
Dibromofluoromethane (Surr)	101		75 - 126	03/24/23 17:35	04/03/23 15:50	1
1,2-Dichloroethane-d4 (Surr)	119		70 - 134	03/24/23 17:35	04/03/23 15:50	1
Toluene-d8 (Surr)	110		75 - 124	03/24/23 17:35	04/03/23 15:50	1

Method: SW846 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	☆	04/03/23 09:38	04/04/23 20:45	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☆	04/03/23 09:38	04/04/23 20:45	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	04/03/23 09:38	04/04/23 20:45	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☆	04/03/23 09:38	04/04/23 20:45	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☆	04/03/23 09:38	04/04/23 20:45	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: ROW-58(0-5)-032423

Lab Sample ID: 500-231240-20

Date Collected: 03/24/23 02:55

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 86.0

Method: SW846 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	✳	04/03/23 09:38	04/04/23 20:45	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
2-Methylnaphthalene	0.016	J	0.078	0.0071	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Benzo[a]anthracene	0.0076	J	0.038	0.0052	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Benzo[a]pyrene	0.013	J	0.038	0.0075	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Benzo[b]fluoranthene	0.015	J	0.038	0.0083	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Benzo[g,h,i]perylene	0.022	J	0.038	0.012	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Bis(2-chloroethyl)ether	<0.19	+	0.19	0.058	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Carbazole	<0.19		0.19	0.096	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Chrysene	0.021	J	0.038	0.010	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Fluoranthene	0.010	J	0.038	0.0071	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	✳	04/03/23 09:38	04/04/23 20:45	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: ROW-58(0-5)-032423

Lab Sample ID: 500-231240-20

Date Collected: 03/24/23 02:55

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 86.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.013	J	0.038	0.010	mg/Kg	☼	04/03/23 09:38	04/04/23 20:45	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/03/23 09:38	04/04/23 20:45	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/03/23 09:38	04/04/23 20:45	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	04/03/23 09:38	04/04/23 20:45	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/03/23 09:38	04/04/23 20:45	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/03/23 09:38	04/04/23 20:45	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/03/23 09:38	04/04/23 20:45	1
Phenanthrene	0.033	J	0.038	0.0054	mg/Kg	☼	04/03/23 09:38	04/04/23 20:45	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	04/03/23 09:38	04/04/23 20:45	1
Pyrene	0.019	J	0.038	0.0076	mg/Kg	☼	04/03/23 09:38	04/04/23 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	62		31 - 143				04/03/23 09:38	04/04/23 20:45	1
2-Fluorobiphenyl (Surr)	70		43 - 145				04/03/23 09:38	04/04/23 20:45	1
2-Fluorophenol (Surr)	83		31 - 166				04/03/23 09:38	04/04/23 20:45	1
Nitrobenzene-d5 (Surr)	56		37 - 147				04/03/23 09:38	04/04/23 20:45	1
Phenol-d5 (Surr)	75		30 - 153				04/03/23 09:38	04/04/23 20:45	1
Terphenyl-d14 (Surr)	90		42 - 157				04/03/23 09:38	04/04/23 20:45	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 20:53	1
Barium	0.25	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 20:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 20:53	1
Cadmium	0.0030	J	0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 20:53	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:53	1
Cobalt	0.10		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:53	1
Copper	0.012	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:53	1
Iron	0.35	J	0.40	0.20	mg/L		03/30/23 17:01	04/03/23 20:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 20:53	1
Manganese	6.4		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:53	1
Nickel	0.091		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:53	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 20:53	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:53	1
Zinc	0.034	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 20:53	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 17:06	1
Barium	<0.50		0.50	0.050	mg/L		03/30/23 17:01	04/03/23 17:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 17:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 17:06	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 17:06	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 17:06	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 17:06	1
Iron	3.3	F1	0.40	0.20	mg/L		03/30/23 17:01	04/03/23 17:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 17:06	1
Manganese	0.046		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 17:06	1
Nickel	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 17:06	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 17:06	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: ROW-58(0-5)-032423

Lab Sample ID: 500-231240-20

Date Collected: 03/24/23 02:55

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 86.0

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 17:06	1
Zinc	<0.50		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 17:06	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9500		12	4.7	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Antimony	0.50	J	1.2	0.23	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Arsenic	7.6		0.58	0.20	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Barium	35		0.58	0.066	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Beryllium	0.73		0.23	0.054	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Calcium	63000		58	9.8	mg/Kg	☆	03/30/23 14:47	04/03/23 17:04	5
Chromium	15		0.58	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Cobalt	13		0.29	0.076	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Copper	20	B	0.58	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Iron	19000		12	6.0	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Lead	13		0.29	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Magnesium	27000	B	5.8	2.9	mg/Kg	☆	03/30/23 14:47	04/03/23 16:54	1
Manganese	380		0.58	0.084	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Nickel	31		0.58	0.17	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Potassium	2300		29	10	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Silver	0.21	J	0.29	0.075	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Sodium	360		58	8.6	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Thallium	0.34	J	0.58	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Vanadium	18		0.29	0.068	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1
Zinc	51		1.2	0.51	mg/Kg	☆	03/30/23 14:47	03/31/23 23:48	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/30/23 14:15	03/31/23 12:44	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:33	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.017	0.0092	mg/Kg	☆	03/29/23 15:40	03/30/23 08:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			03/29/23 17:24	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable 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.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery 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 exceeds control 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, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record

538476



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <u>A. Slezacek</u>		Site Contact: <u>C. Pave</u>		Date: <u>3-23-23</u>		COC No	
Company Name: <u>Weston Solutions</u>		Tel/Email:		Lab Contact: <u>R. Wright</u>		Carrier		1 of 3 COCs	
Address: <u>300 Knightbridge Pump St. 560</u>		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS/MSD (Y/N) VOCs SVOCs Total Metals TRLP/SRP Metals pH		500-231240 COC		Sampler	
City/State/Zip: <u>Unionville, IL 60088</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____						For Lab Use Only	
Phone		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Walk-in Client	
Fax								Lab Sampling	
Project Name: <u>TDOT 051</u>								Job / SDG No	
Site: <u>7-80</u>								500-231240	
PO#								Sample Specific Notes	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sample Specific Notes
1	M-13 (0-5) - 032323	3-23-23	2110	G	S	6			
2	M-14 (0-5) - 032323		2130						
3	M-15 (0-5) - 032323		2140						
4	M-15 (0-5) - 032323D		2140						
5	M-15 (5-10) - 032323		2145						
6	M-15 (10-15) - 032323		2150						
7	M-15 - 032323		2225						
8	M-16 (0-5) - 032323		2240						
9	M-16 (5-10) - 032323		2245						
10	M-17 (0-5) - 032323		2310						
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample							<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months		
<input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown									
Special Instructions/QC Requirements & Comments:							2.2 → 1.1, 2.4 → 1.3		
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd		Therm ID No			
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>3/24/23 1325</u>		Received by: <u>[Signature]</u>		Company: <u>EST</u> Date/Time: <u>3/24/23 1320</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EST</u>		Date/Time: <u>3/24/23 1425</u>		Received by: <u>[Signature]</u>		Company: <u>EST</u> Date/Time: <u>3/24/23 1425</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EST</u>		Date/Time: <u>3/24/23 1425</u>		Received in Laboratory by: <u>[Signature]</u>		Company: <u>EST</u> Date/Time: <u>3/24/23 1425</u>	

Chain of Custody Record

538479



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <u>A. Slesars</u>		Site Contact: <u>C. Paine</u>		Date: <u>3/23-24/23</u>		COC No	
Company Name: <u>Western Solutions</u>		Tel/Email:		Lab Contact: <u>R. Wright</u>		Carrier:		<u>2</u> of <u>3</u> COCs	
Address: <u>300 Knapford Dr, Pkwy SE 360</u>		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SVOCs Total Metals TAP / SAP Metals pH				Sampler	
City/State/Zip: <u>Chickasha, OK 73008</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS						For Lab Use Only	
Phone:		TAT if different from Below _____						Walk-in Client	
Fax:		<input type="checkbox"/> 2 weeks						Lab Sampling	
Project Name: <u>RDOT 051</u>		<input type="checkbox"/> 1 week						Job / SDG No	
Site: <u>2-80</u>		<input type="checkbox"/> 2 days		<u>500-231240</u>					
P O #:		<input type="checkbox"/> 1 day		Sample Specific Notes					
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes
11	M-17(5-10)-032323	3-23-23	2320	G	S	L		X X X X X	
12	M-17(5-10)-032323D		2320						
13	RC-2(0-5)-032323		2340						
14	RC-2(5-10)-032323		2350						
15	RC-2(10-15)-032323		2355						
16	RAW-59(0-5)-032423	3-24-23	0100						
17	RAW-60(0-5)-032423		0120						
18	RAW-60(5-10)-032423		0125						
19	RAW-57(0-5)-032423		0240						
20	RAW-58(0-5)-032423		0255						50
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months		
Special Instructions/QC Requirements & Comments:									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____			
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>3/24/23 1320</u>		Received by: <u>[Signature]</u>		Company: <u>EBTA</u> Date/Time: <u>3/24/23 1320</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EBTA</u>		Date/Time: <u>3/24/23 1425</u>		Received by: <u>[Signature]</u>		Company: <u>EBTA</u> Date/Time: <u>3/24/23 1425</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EBTA</u>		Date/Time: <u>3/24/23 1425</u>		Received by: <u>[Signature]</u>		Company: <u>EBTA</u> Date/Time: <u>3/24/23 1425</u>	



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/7/2023 9:33:17 AM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231241-1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-61(0-5)-032423

Lab Sample ID: 500-231241-1

Date Collected: 03/24/23 03:30

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0064	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Bromomethane	<0.0037	*	0.0037	0.0014	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Carbon disulfide	<0.0037		0.0037	0.00077	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Ethylbenzene	<0.0015		0.0015	0.00071	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0016	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00065	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Vinyl chloride	<0.0015		0.0015	0.00065	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Xylenes, Total	<0.0030		0.0030	0.00047	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		75 - 131	03/24/23 17:35	04/03/23 18:10	1
Dibromofluoromethane (Surr)	101		75 - 126	03/24/23 17:35	04/03/23 18:10	1
1,2-Dichloroethane-d4 (Surr)	123		70 - 134	03/24/23 17:35	04/03/23 18:10	1
Toluene-d8 (Surr)	114		75 - 124	03/24/23 17:35	04/03/23 18:10	1

Method: SW846 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	☆	04/03/23 13:25	04/05/23 11:43	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	04/03/23 13:25	04/05/23 11:43	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	04/03/23 13:25	04/05/23 11:43	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☆	04/03/23 13:25	04/05/23 11:43	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	04/03/23 13:25	04/05/23 11:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-61(0-5)-032423

Lab Sample ID: 500-231241-1

Date Collected: 03/24/23 03:30

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.3

Method: SW846 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	✳	04/03/23 13:25	04/05/23 11:43	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Benzo[g,h,i]perylene	0.013	J	0.038	0.012	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-61(0-5)-032423

Lab Sample ID: 500-231241-1

Date Collected: 03/24/23 03:30

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.3

Method: SW846 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	☼	04/03/23 13:25	04/05/23 11:43	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.046	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Phenanthrene	0.0079	J	0.038	0.0053	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	112		31 - 143	04/03/23 13:25	04/05/23 11:43	1
2-Fluorobiphenyl (Surr)	87		43 - 145	04/03/23 13:25	04/05/23 11:43	1
2-Fluorophenol (Surr)	123		31 - 166	04/03/23 13:25	04/05/23 11:43	1
Nitrobenzene-d5 (Surr)	124		37 - 147	04/03/23 13:25	04/05/23 11:43	1
Phenol-d5 (Surr)	97		30 - 153	04/03/23 13:25	04/05/23 11:43	1
Terphenyl-d14 (Surr)	91		42 - 157	04/03/23 13:25	04/05/23 11:43	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Barium	0.72		0.50	0.050	mg/L		03/30/23 17:00	03/31/23 16:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:00	03/31/23 16:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:00	03/31/23 16:34	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Cobalt	0.021	J	0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:00	03/31/23 16:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:00	03/31/23 16:34	1
Manganese	7.3		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Nickel	0.017	J	0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:00	03/31/23 16:34	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Zinc	0.022	J	0.50	0.020	mg/L		03/30/23 17:00	03/31/23 16:34	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.10		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Barium	0.89		0.50	0.050	mg/L		03/30/23 17:01	04/03/23 13:41	1
Beryllium	0.011		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 13:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 13:41	1
Chromium	0.23		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Cobalt	0.096		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Copper	0.26		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Iron	240		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 13:41	1
Lead	0.11		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 13:41	1
Manganese	2.7		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Nickel	0.29		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 13:41	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-61(0-5)-032423

Lab Sample ID: 500-231241-1

Date Collected: 03/24/23 03:30

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Zinc	0.63		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 13:41	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		12	4.8	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Antimony	0.58	J B	1.2	0.23	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Arsenic	7.6		0.58	0.20	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Barium	78		0.58	0.066	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Beryllium	0.78		0.23	0.054	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Cadmium	0.18		0.12	0.021	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Calcium	35000	B	12	2.0	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Chromium	17		0.58	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Cobalt	12		0.29	0.076	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Copper	18		0.58	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Iron	20000		12	6.1	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Lead	14		0.29	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Magnesium	16000		5.8	2.9	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Manganese	470		0.58	0.084	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Nickel	27		0.58	0.17	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Potassium	2000		29	10	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Selenium	0.45	J	0.58	0.34	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Silver	0.32		0.29	0.075	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Sodium	1100		58	8.6	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Vanadium	25		0.29	0.069	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Zinc	55		1.2	0.51	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/30/23 14:15	03/31/23 13:09	1

Method: SW846 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		03/30/23 14:15	03/31/23 12:31	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0094	mg/Kg	☆	03/29/23 15:40	03/30/23 08:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.8		0.2	0.2	SU			03/29/23 17:26	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-58(0-5)-032423D

Lab Sample ID: 500-231241-5

Date Collected: 03/24/23 02:55

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 85.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.013	J	0.016	0.0069	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Bromomethane	<0.0040	*	0.0040	0.0015	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
1,3-Dichloropropane, Total	<0.0016		0.0016	0.00056	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		75 - 131	03/24/23 17:35	04/03/23 18:56	1
Dibromofluoromethane (Surr)	102		75 - 126	03/24/23 17:35	04/03/23 18:56	1
1,2-Dichloroethane-d4 (Surr)	119		70 - 134	03/24/23 17:35	04/03/23 18:56	1
Toluene-d8 (Surr)	111		75 - 124	03/24/23 17:35	04/03/23 18:56	1

Method: SW846 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	☆	04/03/23 13:25	04/05/23 12:06	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	04/03/23 13:25	04/05/23 12:06	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☆	04/03/23 13:25	04/05/23 12:06	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☆	04/03/23 13:25	04/05/23 12:06	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☆	04/03/23 13:25	04/05/23 12:06	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-58(0-5)-032423D

Lab Sample ID: 500-231241-5

Date Collected: 03/24/23 02:55

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 85.4

Method: SW846 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	✳	04/03/23 13:25	04/05/23 12:06	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
2-Methylnaphthalene	0.017	J	0.075	0.0069	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
4-Nitrophenol	<0.75		0.75	0.36	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Benzo[a]pyrene	<0.037		0.037	0.0072	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Carbazole	<0.19		0.19	0.093	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Chrysene	0.012	J	0.037	0.010	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Hexachlorobenzene	<0.075		0.075	0.0087	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Hexachlorocyclopentadiene	<0.75		0.75	0.22	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	04/03/23 13:25	04/05/23 12:06	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-58(0-5)-032423D

Lab Sample ID: 500-231241-5

Date Collected: 03/24/23 02:55

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 85.4

Method: SW846 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	☼	04/03/23 13:25	04/05/23 12:06	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/03/23 13:25	04/05/23 12:06	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	04/03/23 13:25	04/05/23 12:06	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	04/03/23 13:25	04/05/23 12:06	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.046	mg/Kg	☼	04/03/23 13:25	04/05/23 12:06	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	04/03/23 13:25	04/05/23 12:06	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	04/03/23 13:25	04/05/23 12:06	1
Phenanthrene	0.022	J	0.037	0.0052	mg/Kg	☼	04/03/23 13:25	04/05/23 12:06	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	04/03/23 13:25	04/05/23 12:06	1
Pyrene	0.0080	J	0.037	0.0074	mg/Kg	☼	04/03/23 13:25	04/05/23 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	90		31 - 143	04/03/23 13:25	04/05/23 12:06	1
2-Fluorobiphenyl (Surr)	87		43 - 145	04/03/23 13:25	04/05/23 12:06	1
2-Fluorophenol (Surr)	120		31 - 166	04/03/23 13:25	04/05/23 12:06	1
Nitrobenzene-d5 (Surr)	80		37 - 147	04/03/23 13:25	04/05/23 12:06	1
Phenol-d5 (Surr)	77		30 - 153	04/03/23 13:25	04/05/23 12:06	1
Terphenyl-d14 (Surr)	87		42 - 157	04/03/23 13:25	04/05/23 12:06	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:00	03/31/23 16:46	1
Barium	0.25	J	0.50	0.050	mg/L		03/30/23 17:00	03/31/23 16:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:00	03/31/23 16:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:00	03/31/23 16:46	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:46	1
Cobalt	0.020	J	0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:46	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:46	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:00	03/31/23 16:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:00	03/31/23 16:46	1
Manganese	2.3		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:46	1
Nickel	0.067		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:46	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:00	03/31/23 16:46	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:46	1
Zinc	<0.50		0.50	0.020	mg/L		03/30/23 17:00	03/31/23 16:46	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 13:48	1
Barium	<0.50		0.50	0.050	mg/L		03/30/23 17:01	04/03/23 13:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 13:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 13:48	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:48	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:48	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:48	1
Iron	0.33	J	0.40	0.20	mg/L		03/30/23 17:01	04/03/23 13:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 13:48	1
Manganese	0.063		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:48	1
Nickel	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:48	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 13:48	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-58(0-5)-032423D

Lab Sample ID: 500-231241-5

Date Collected: 03/24/23 02:55

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 85.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:48	1
Zinc	<0.50		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 13:48	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8400		12	4.7	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Antimony	0.48	J B	1.2	0.22	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Arsenic	7.2		0.58	0.20	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Barium	28		0.58	0.066	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Beryllium	0.64		0.23	0.054	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Cadmium	0.21		0.12	0.021	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Calcium	73000	B	58	9.8	mg/Kg	☆	03/30/23 14:47	04/03/23 17:10	5
Chromium	14		0.58	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Cobalt	12		0.29	0.075	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Copper	19		0.58	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Iron	17000		12	6.0	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Lead	13		0.29	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Magnesium	34000		5.8	2.9	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Manganese	350		0.58	0.083	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Nickel	29		0.58	0.17	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Potassium	2300		29	10	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Silver	0.23	J	0.29	0.074	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Sodium	350		58	8.5	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Vanadium	17		0.29	0.068	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1
Zinc	54		1.2	0.51	mg/Kg	☆	03/30/23 14:47	03/31/23 16:56	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/30/23 14:15	03/31/23 13:18	1

Method: SW846 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		03/30/23 14:15	03/31/23 12:35	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0095	mg/Kg	☆	03/29/23 15:40	03/30/23 08:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.2	0.2	SU			03/29/23 17:36	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery 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
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
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, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

1

2

3

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record

538480



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <i>A. Sisco</i>		Site Contact: <i>C. Ponce</i>		Date: <i>3-24-23</i>		COC No	
Company Name: <i>Weston Solutions</i>		Tel/Email		Lab Contact: <i>R. Woodruff</i>		Carrier		8 of 3 COCs	
Address: <i>300 Kiplingridge Pkwy Ste 500</i>		Analysis Turnaround Time							
City/State/Zip: <i>Emeryville, OH 44009</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____							
Phone		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
Fax		500 231241 COC 							
Project Name: <i>EDOT 051</i>									
Site: <i>I-80</i>									
P O #									
Sampler		For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>							
Job / SDG No		<i>500-23/241</i>							

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	VOCs	SUBCS	Other Methods	TEEP/SLIP Methods	pgt	Sample Specific Notes
<i>1 ROW-61(0-5)-032423</i>	<i>3-24-23</i>	<i>0330</i>	<i>G</i>	<i>S</i>	<i>6</i>			<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>		
<i>2 ROW-61-032423</i>	<i>↓</i>	<i>0400</i>	<i>↓</i>	<i>W</i>	<i>6</i>			<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>		
<i>3 Trip Blank</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>W</i>	<i>2</i>			<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>		
<i>4 ROW-59(0-5)-032423D</i>	<i>3-24-23</i>	<i>0100</i>	<i>G</i>	<i>S</i>	<i>6</i>			<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>		
<i>5 ROW-58(0-5)-032423D</i>	<i>↓</i>	<i>0255</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>			<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>		<i>Added by EETA</i>

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other _____

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

Non-Hazardous Flammable Skin Irritant Poison B Unknown

Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments: *22-711, 24-713*

Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No	Cooler Temp. (°C) Obs'd _____ Corr'd _____	Therm ID No _____
Relinquished by: <i>[Signature]</i>	Company: <i>WS</i>	Date/Time: <i>3-24-23/1320</i>	Received by: <i>[Signature]</i>
Relinquished by: <i>[Signature]</i>	Company: <i>EETA</i>	Date/Time: <i>3-24-23/1425</i>	Received by: <i>[Signature]</i>
Relinquished by: <i>[Signature]</i>	Company: <i>EETA</i>	Date/Time: <i>3/24/23 1425</i>	Received by: <i>[Signature]</i>

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/27/2023 5:12:02 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-232206-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-232206-1	ROW-37(0-5)-041323	Solid	04/13/23 07:30	04/13/23 18:02
500-232206-2	ROW-38(0-5)-041323	Solid	04/13/23 07:45	04/13/23 18:02
500-232206-3	ROW-38(5-10)-041323	Solid	04/13/23 07:50	04/13/23 18:02
500-232206-4	ROW-38-041323	Water	04/13/23 08:15	04/13/23 18:02
500-232206-5	Trip Blank	Water	04/13/23 00:00	04/13/23 18:02
500-232206-6	ROW-39(0-5)-041323	Solid	04/13/23 08:40	04/13/23 18:02
500-232206-7	ROW-40(0-5)-041323	Solid	04/13/23 09:00	04/13/23 18:02
500-232206-8	ROW-41(0-5)-041323	Solid	04/13/23 09:40	04/13/23 18:02
500-232206-9	ROW-46(0-5)-041323	Solid	04/13/23 10:10	04/13/23 18:02
500-232206-10	ROW-47(0-5)-041323	Solid	04/13/23 10:20	04/13/23 18:02
500-232206-11	ROW-48(0-5)-041323	Solid	04/13/23 10:25	04/13/23 18:02
500-232206-12	ROW-49(0-5)-041323	Solid	04/13/23 10:40	04/13/23 18:02
500-232206-13	ROW-50(0-5)-041323	Solid	04/13/23 10:50	04/13/23 18:02
500-232206-14	ROW-50(0-5)-041323D	Solid	04/13/23 10:50	04/13/23 18:02
500-232206-15	ROW-51(0-5)-041323	Solid	04/13/23 11:00	04/13/23 18:02
500-232206-16	ROW-52(0-5)-041323	Solid	04/13/23 11:30	04/13/23 18:02
500-232206-17	ROW-52(5-10)-041323	Solid	04/13/23 11:35	04/13/23 18:02
500-232206-18	ROW-52(10-15)-041323	Solid	04/13/23 11:40	04/13/23 18:02
500-232206-19	ROW-53(0-5)-041323	Solid	04/13/23 12:10	04/13/23 18:02
500-232206-20	ROW-53(5-10)-041323	Solid	04/13/23 12:15	04/13/23 18:02



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-41(0-5)-041323

Lab Sample ID: 500-232206-8

Date Collected: 04/13/23 09:40

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 75.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.054		0.022	0.0097	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Benzene	<0.0022		0.0022	0.00057	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Bromodichloromethane	<0.0022		0.0022	0.00045	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Bromoform	<0.0022		0.0022	0.00065	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Bromomethane	<0.0056		0.0056	0.0021	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Carbon disulfide	<0.0056		0.0056	0.0012	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Carbon tetrachloride	<0.0022		0.0022	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Chlorobenzene	<0.0022		0.0022	0.00082	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Chloroethane	<0.0056		0.0056	0.0016	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Chloroform	<0.0022		0.0022	0.00077	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Chloromethane	<0.0056		0.0056	0.0022	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
cis-1,2-Dichloroethene	<0.0022		0.0022	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
cis-1,3-Dichloropropene	<0.0022		0.0022	0.00067	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Dibromochloromethane	<0.0022		0.0022	0.00073	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
1,1-Dichloroethane	<0.0022		0.0022	0.00076	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
1,2-Dichloroethane	<0.0056		0.0056	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
1,1-Dichloroethene	<0.0022		0.0022	0.00076	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
1,2-Dichloropropane	<0.0022		0.0022	0.00057	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
1,3-Dichloropropene, Total	<0.0022		0.0022	0.00078	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Ethylbenzene	<0.0022		0.0022	0.0011	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
2-Hexanone	<0.0056		0.0056	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Methylene Chloride	<0.0056		0.0056	0.0022	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Methyl Ethyl Ketone	0.011		0.0056	0.0025	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
methyl isobutyl ketone	<0.0056		0.0056	0.0016	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Methyl tert-butyl ether	<0.0022		0.0022	0.00065	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Styrene	<0.0022		0.0022	0.00067	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
1,1,2,2-Tetrachloroethane	<0.0022		0.0022	0.00071	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Tetrachloroethene	<0.0022		0.0022	0.00076	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Toluene	<0.0022		0.0022	0.00056	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
trans-1,2-Dichloroethene	<0.0022		0.0022	0.00098	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
trans-1,3-Dichloropropene	<0.0022		0.0022	0.00078	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
1,1,1-Trichloroethane	<0.0022		0.0022	0.00074	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
1,1,2-Trichloroethane	<0.0022		0.0022	0.00095	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Trichloroethene	<0.0022		0.0022	0.00075	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Vinyl chloride	<0.0022		0.0022	0.00098	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1
Xylenes, Total	<0.0044		0.0044	0.00071	mg/Kg	✳	04/14/23 20:00	04/19/23 03:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	04/14/23 20:00	04/19/23 03:47	1
Dibromofluoromethane (Surr)	101		75 - 126	04/14/23 20:00	04/19/23 03:47	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	04/14/23 20:00	04/19/23 03:47	1
Toluene-d8 (Surr)	105		75 - 124	04/14/23 20:00	04/19/23 03:47	1

Method: SW846 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	✳	04/25/23 07:11	04/26/23 18:46	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-41(0-5)-041323

Lab Sample ID: 500-232206-8

Date Collected: 04/13/23 09:40

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 75.9

Method: SW846 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	✳	04/25/23 07:11	04/26/23 18:46	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
2-Methylnaphthalene	<0.083		0.083	0.0076	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Acenaphthene	0.020	J	0.041	0.0074	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Acenaphthylene	0.011	J	0.041	0.0054	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Anthracene	0.062		0.041	0.0069	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Benzo[a]anthracene	0.33		0.041	0.0055	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Benzo[a]pyrene	0.43		0.041	0.0080	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Benzo[b]fluoranthene	0.60		0.041	0.0089	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Benzo[g,h,i]perylene	0.38		0.041	0.013	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Benzo[k]fluoranthene	0.26		0.041	0.012	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Bis(2-ethylhexyl) phthalate	0.29		0.21	0.075	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Carbazole	<0.21		0.21	0.10	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Chrysene	0.46		0.041	0.011	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Dibenz(a,h)anthracene	0.089		0.041	0.0079	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Fluoranthene	0.72		0.041	0.0076	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Fluorene	0.020	J	0.041	0.0058	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	✳	04/25/23 07:11	04/26/23 18:46	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-41(0-5)-041323

Lab Sample ID: 500-232206-8

Date Collected: 04/13/23 09:40

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 75.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.46		0.041	0.011	mg/Kg	☼	04/25/23 07:11	04/26/23 18:46	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	04/25/23 07:11	04/26/23 18:46	1
Naphthalene	0.016	J	0.041	0.0063	mg/Kg	☼	04/25/23 07:11	04/26/23 18:46	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	04/25/23 07:11	04/26/23 18:46	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	04/25/23 07:11	04/26/23 18:46	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	04/25/23 07:11	04/26/23 18:46	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	04/25/23 07:11	04/26/23 18:46	1
Phenanthrene	0.32		0.041	0.0057	mg/Kg	☼	04/25/23 07:11	04/26/23 18:46	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	04/25/23 07:11	04/26/23 18:46	1
Pyrene	0.70		0.041	0.0082	mg/Kg	☼	04/25/23 07:11	04/26/23 18:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	50		31 - 143				04/25/23 07:11	04/26/23 18:46	1
2-Fluorobiphenyl (Surr)	72		43 - 145				04/25/23 07:11	04/26/23 18:46	1
2-Fluorophenol (Surr)	74		31 - 166				04/25/23 07:11	04/26/23 18:46	1
Nitrobenzene-d5 (Surr)	79		37 - 147				04/25/23 07:11	04/26/23 18:46	1
Phenol-d5 (Surr)	76		30 - 153				04/25/23 07:11	04/26/23 18:46	1
Terphenyl-d14 (Surr)	75		42 - 157				04/25/23 07:11	04/26/23 18:46	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/17/23 17:02	04/19/23 22:46	1
Barium	0.99		0.50	0.050	mg/L		04/17/23 17:02	04/19/23 22:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:02	04/19/23 22:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:02	04/19/23 22:46	1
Chromium	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:46	1
Cobalt	0.065		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:46	1
Copper	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:46	1
Iron	<0.40		0.40	0.20	mg/L		04/17/23 17:02	04/19/23 22:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/17/23 17:02	04/19/23 22:46	1
Manganese	13		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:46	1
Nickel	0.047		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:46	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:02	04/19/23 22:46	1
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:46	1
Zinc	0.027	J	0.50	0.020	mg/L		04/17/23 17:02	04/19/23 22:46	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/17/23 17:03	04/24/23 23:13	1
Barium	0.11	J	0.50	0.050	mg/L		04/17/23 17:03	04/24/23 23:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:03	04/24/23 23:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:03	04/24/23 23:13	1
Chromium	0.021	J	0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:13	1
Cobalt	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:13	1
Copper	0.019	J	0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:13	1
Iron	16		0.40	0.20	mg/L		04/17/23 17:03	04/24/23 23:13	1
Lead	0.015		0.0075	0.0075	mg/L		04/17/23 17:03	04/24/23 23:13	1
Manganese	0.14		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:13	1
Nickel	0.010	J	0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:13	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:03	04/24/23 23:13	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-41(0-5)-041323

Lab Sample ID: 500-232206-8

Date Collected: 04/13/23 09:40

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 75.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:13	1
Zinc	0.11	J	0.50	0.020	mg/L		04/17/23 17:03	04/24/23 23:13	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9100		13	5.2	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Antimony	0.40	J	1.3	0.25	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Arsenic	4.6		0.63	0.22	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Barium	83		0.63	0.072	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Beryllium	0.65		0.25	0.059	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Cadmium	0.80	B	0.13	0.023	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Calcium	36000	B	13	2.1	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Chromium	14		0.63	0.31	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Cobalt	7.7		0.32	0.083	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Copper	25	B	0.63	0.18	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Iron	13000		13	6.6	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Lead	110		0.32	0.15	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Magnesium	21000	B	6.3	3.1	mg/Kg	☆	04/19/23 15:49	04/25/23 12:52	1
Manganese	250		0.63	0.091	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Nickel	18		0.63	0.18	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Potassium	1000		32	11	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Selenium	0.42	J	0.63	0.37	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Silver	0.30	J	0.32	0.081	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Sodium	950		63	9.3	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Thallium	<0.63		0.63	0.31	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Vanadium	18		0.32	0.074	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1
Zinc	140		1.3	0.55	mg/Kg	☆	04/19/23 15:49	04/24/23 16:19	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/17/23 15:30	04/18/23 10:33	1

Method: SW846 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		04/18/23 15:10	04/19/23 11:06	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.021	0.011	mg/Kg	☆	04/20/23 14:55	04/21/23 08:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.2	0.2	SU			04/17/23 19:00	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-46(0-5)-041323

Lab Sample ID: 500-232206-9

Date Collected: 04/13/23 10:10

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 81.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.027		0.016	0.0072	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Bromomethane	<0.0041		0.0041	0.0016	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Carbon disulfide	<0.0041		0.0041	0.00085	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Carbon tetrachloride	<0.0016		0.0016	0.00048	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Chlorobenzene	<0.0016		0.0016	0.00061	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Chloroform	<0.0016		0.0016	0.00057	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Chloromethane	<0.0041		0.0041	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00050	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Dibromochloromethane	<0.0016		0.0016	0.00054	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
1,1-Dichloroethene	<0.0016		0.0016	0.00057	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Ethylbenzene	<0.0016		0.0016	0.00079	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Styrene	<0.0016		0.0016	0.00050	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Tetrachloroethene	<0.0016		0.0016	0.00056	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Toluene	<0.0016		0.0016	0.00042	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00073	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00071	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Trichloroethene	<0.0016		0.0016	0.00056	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Vinyl chloride	<0.0016		0.0016	0.00073	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 04:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		75 - 131	04/14/23 20:00	04/19/23 04:10	1
Dibromofluoromethane (Surr)	106		75 - 126	04/14/23 20:00	04/19/23 04:10	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	04/14/23 20:00	04/19/23 04:10	1
Toluene-d8 (Surr)	107		75 - 124	04/14/23 20:00	04/19/23 04:10	1

Method: SW846 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	✳	04/25/23 07:11	04/26/23 18:03	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	04/25/23 07:11	04/26/23 18:03	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	✳	04/25/23 07:11	04/26/23 18:03	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	✳	04/25/23 07:11	04/26/23 18:03	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	✳	04/25/23 07:11	04/26/23 18:03	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-46(0-5)-041323

Lab Sample ID: 500-232206-9

Date Collected: 04/13/23 10:10

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 81.7

Method: SW846 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	✱	04/25/23 07:11	04/26/23 18:03	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
4-Chloro-3-methylphenol	<0.39		0.39	0.14	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Benzo[b]fluoranthene	<0.039		0.039	0.0086	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Carbazole	<0.20		0.20	0.099	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Fluoranthene	<0.039		0.039	0.0074	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	✱	04/25/23 07:11	04/26/23 18:03	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-46(0-5)-041323

Lab Sample ID: 500-232206-9

Date Collected: 04/13/23 10:10

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 81.7

Method: SW846 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	☼	04/25/23 07:11	04/26/23 18:03	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	04/25/23 07:11	04/26/23 18:03	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	04/25/23 07:11	04/26/23 18:03	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	04/25/23 07:11	04/26/23 18:03	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	04/25/23 07:11	04/26/23 18:03	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/25/23 07:11	04/26/23 18:03	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	04/25/23 07:11	04/26/23 18:03	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	04/25/23 07:11	04/26/23 18:03	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	04/25/23 07:11	04/26/23 18:03	1
Pyrene	0.010	J	0.039	0.0079	mg/Kg	☼	04/25/23 07:11	04/26/23 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	56		31 - 143	04/25/23 07:11	04/26/23 18:03	1
2-Fluorobiphenyl (Surr)	83		43 - 145	04/25/23 07:11	04/26/23 18:03	1
2-Fluorophenol (Surr)	79		31 - 166	04/25/23 07:11	04/26/23 18:03	1
Nitrobenzene-d5 (Surr)	89		37 - 147	04/25/23 07:11	04/26/23 18:03	1
Phenol-d5 (Surr)	80		30 - 153	04/25/23 07:11	04/26/23 18:03	1
Terphenyl-d14 (Surr)	92		42 - 157	04/25/23 07:11	04/26/23 18:03	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/17/23 17:02	04/19/23 22:49	1
Barium	0.62		0.50	0.050	mg/L		04/17/23 17:02	04/19/23 22:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:02	04/19/23 22:49	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		04/17/23 17:02	04/19/23 22:49	1
Chromium	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:49	1
Cobalt	0.028		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:49	1
Copper	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:49	1
Iron	<0.40		0.40	0.20	mg/L		04/17/23 17:02	04/19/23 22:49	1
Lead	0.030		0.0075	0.0075	mg/L		04/17/23 17:02	04/19/23 22:49	1
Manganese	3.4		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:49	1
Nickel	0.032		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:49	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:02	04/19/23 22:49	1
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:49	1
Zinc	0.42	J	0.50	0.020	mg/L		04/17/23 17:02	04/19/23 22:49	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.054		0.050	0.010	mg/L		04/17/23 17:03	04/24/23 23:17	1
Barium	1.1		0.50	0.050	mg/L		04/17/23 17:03	04/24/23 23:17	1
Beryllium	0.0069		0.0040	0.0040	mg/L		04/17/23 17:03	04/24/23 23:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:03	04/24/23 23:17	1
Chromium	0.13		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:17	1
Cobalt	0.071		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:17	1
Copper	0.10		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:17	1
Iron	150		0.40	0.20	mg/L		04/17/23 17:03	04/24/23 23:17	1
Lead	0.13		0.0075	0.0075	mg/L		04/17/23 17:03	04/24/23 23:17	1
Manganese	2.5		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:17	1
Nickel	0.12		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:17	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:03	04/24/23 23:17	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-46(0-5)-041323

Lab Sample ID: 500-232206-9

Date Collected: 04/13/23 10:10

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 81.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:17	1
Zinc	0.33	J	0.50	0.020	mg/L		04/17/23 17:03	04/24/23 23:17	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5500		12	4.9	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Antimony	0.54	J	1.2	0.23	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Arsenic	5.8		0.60	0.20	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Barium	59		3.0	0.34	mg/Kg	☆	04/19/23 15:49	04/25/23 12:56	5
Beryllium	0.52		0.24	0.056	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Cadmium	0.14	B	0.12	0.022	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Calcium	110000	B	60	10	mg/Kg	☆	04/19/23 15:49	04/25/23 12:56	5
Chromium	6.9		0.60	0.30	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Cobalt	9.3		0.30	0.078	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Copper	8.0	B	0.60	0.17	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Iron	14000		60	31	mg/Kg	☆	04/19/23 15:49	04/25/23 12:56	5
Lead	14		0.30	0.14	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Magnesium	61000	B	30	15	mg/Kg	☆	04/19/23 15:49	04/25/23 12:56	5
Manganese	350		0.60	0.087	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Nickel	16		0.60	0.17	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Potassium	1100		30	11	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Selenium	<0.60		0.60	0.35	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Silver	0.25	J	0.30	0.077	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Sodium	700		60	8.9	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Vanadium	13		0.30	0.071	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1
Zinc	24		1.2	0.53	mg/Kg	☆	04/19/23 15:49	04/24/23 16:23	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/17/23 15:30	04/18/23 10:35	1

Method: SW846 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		04/18/23 15:10	04/19/23 11:12	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.019	0.010	mg/Kg	☆	04/20/23 14:55	04/21/23 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.2	0.2	SU			04/17/23 19:03	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-47(0-5)-041323

Lab Sample ID: 500-232206-10

Date Collected: 04/13/23 10:20

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 82.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0086	J	0.017	0.0075	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 04:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		75 - 131	04/14/23 20:00	04/19/23 04:33	1
Dibromofluoromethane (Surr)	104		75 - 126	04/14/23 20:00	04/19/23 04:33	1
1,2-Dichloroethane-d4 (Surr)	114		70 - 134	04/14/23 20:00	04/19/23 04:33	1
Toluene-d8 (Surr)	99		75 - 124	04/14/23 20:00	04/19/23 04:33	1

Method: SW846 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	✳	04/25/23 07:11	04/26/23 19:07	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	✳	04/25/23 07:11	04/26/23 19:07	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✳	04/25/23 07:11	04/26/23 19:07	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✳	04/25/23 07:11	04/26/23 19:07	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✳	04/25/23 07:11	04/26/23 19:07	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-47(0-5)-041323

Lab Sample ID: 500-232206-10

Date Collected: 04/13/23 10:20

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 82.8

Method: SW846 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	✱	04/25/23 07:11	04/26/23 19:07	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Benzo[g,h,i]perylene	<0.039		0.039	0.012	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Dibenzofuran	<0.20		0.20	0.045	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✱	04/25/23 07:11	04/26/23 19:07	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-47(0-5)-041323

Lab Sample ID: 500-232206-10

Date Collected: 04/13/23 10:20

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 82.8

Method: SW846 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	☼	04/25/23 07:11	04/26/23 19:07	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/25/23 07:11	04/26/23 19:07	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/25/23 07:11	04/26/23 19:07	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/25/23 07:11	04/26/23 19:07	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/25/23 07:11	04/26/23 19:07	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/25/23 07:11	04/26/23 19:07	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/25/23 07:11	04/26/23 19:07	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	04/25/23 07:11	04/26/23 19:07	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	04/25/23 07:11	04/26/23 19:07	1
Pyrene	0.0098	J	0.039	0.0077	mg/Kg	☼	04/25/23 07:11	04/26/23 19:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	57		31 - 143	04/25/23 07:11	04/26/23 19:07	1
2-Fluorobiphenyl (Surr)	82		43 - 145	04/25/23 07:11	04/26/23 19:07	1
2-Fluorophenol (Surr)	79		31 - 166	04/25/23 07:11	04/26/23 19:07	1
Nitrobenzene-d5 (Surr)	87		37 - 147	04/25/23 07:11	04/26/23 19:07	1
Phenol-d5 (Surr)	81		30 - 153	04/25/23 07:11	04/26/23 19:07	1
Terphenyl-d14 (Surr)	88		42 - 157	04/25/23 07:11	04/26/23 19:07	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/17/23 17:02	04/19/23 22:52	1
Barium	0.16	J	0.50	0.050	mg/L		04/17/23 17:02	04/19/23 22:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:02	04/19/23 22:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:02	04/19/23 22:52	1
Chromium	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:52	1
Cobalt	0.057		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:52	1
Copper	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:52	1
Iron	<0.40		0.40	0.20	mg/L		04/17/23 17:02	04/19/23 22:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/17/23 17:02	04/19/23 22:52	1
Manganese	3.3		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:52	1
Nickel	0.061		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:52	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:02	04/19/23 22:52	1
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:52	1
Zinc	<0.50		0.50	0.020	mg/L		04/17/23 17:02	04/19/23 22:52	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	J	0.050	0.010	mg/L		04/17/23 17:03	04/24/23 23:20	1
Barium	0.15	J	0.50	0.050	mg/L		04/17/23 17:03	04/24/23 23:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:03	04/24/23 23:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:03	04/24/23 23:20	1
Chromium	0.048		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:20	1
Cobalt	0.021	J	0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:20	1
Copper	0.038		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:20	1
Iron	42		0.40	0.20	mg/L		04/17/23 17:03	04/24/23 23:20	1
Lead	0.058		0.0075	0.0075	mg/L		04/17/23 17:03	04/24/23 23:20	1
Manganese	0.23		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:20	1
Nickel	0.050		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:20	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:03	04/24/23 23:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-47(0-5)-041323

Lab Sample ID: 500-232206-10

Date Collected: 04/13/23 10:20

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 82.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:20	1
Zinc	0.090	J	0.50	0.020	mg/L		04/17/23 17:03	04/24/23 23:20	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4500		12	4.8	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Antimony	0.33	J	1.2	0.23	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Arsenic	4.6		0.59	0.20	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Barium	25		0.59	0.067	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Beryllium	0.52		0.24	0.055	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Cadmium	0.11	J B	0.12	0.021	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Calcium	73000	B	59	10	mg/Kg	☆	04/19/23 15:49	04/25/23 12:59	5
Chromium	11		0.59	0.29	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Cobalt	7.4		0.30	0.077	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Copper	7.7	B	0.59	0.17	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Iron	8800		12	6.1	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Lead	17		0.30	0.14	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Magnesium	42000	B	30	15	mg/Kg	☆	04/19/23 15:49	04/25/23 12:59	5
Manganese	230		0.59	0.086	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Nickel	19		0.59	0.17	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Potassium	1400		30	10	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Selenium	<0.59		0.59	0.35	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Silver	0.37		0.30	0.076	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Sodium	610		59	8.7	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Thallium	<0.59		0.59	0.29	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Vanadium	9.0		0.30	0.070	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1
Zinc	16		1.2	0.52	mg/Kg	☆	04/19/23 15:49	04/24/23 16:27	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/17/23 15:30	04/18/23 10:37	1

Method: SW846 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		04/18/23 15:10	04/19/23 11:14	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.018	0.0093	mg/Kg	☆	04/20/23 14:55	04/21/23 08:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.2	0.2	SU			04/17/23 19:05	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-48(0-5)-041323

Lab Sample ID: 500-232206-11

Date Collected: 04/13/23 10:25

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 79.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.11		0.017	0.0075	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Carbon disulfide	0.00090 J		0.0043	0.00090	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Methyl Ethyl Ketone	0.027		0.0043	0.0019	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1
Xylenes, Total	<0.0035		0.0035	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 04:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 131	04/14/23 20:00	04/19/23 04:57	1
Dibromofluoromethane (Surr)	100		75 - 126	04/14/23 20:00	04/19/23 04:57	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	04/14/23 20:00	04/19/23 04:57	1
Toluene-d8 (Surr)	104		75 - 124	04/14/23 20:00	04/19/23 04:57	1

Method: SW846 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	✳	04/25/23 07:11	04/26/23 18:24	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-48(0-5)-041323

Lab Sample ID: 500-232206-11

Date Collected: 04/13/23 10:25

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 79.3

Method: SW846 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	✳	04/25/23 07:11	04/26/23 18:24	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Benzo[a]anthracene	0.023 J		0.040	0.0055	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Benzo[a]pyrene	0.020 J		0.040	0.0078	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Benzo[b]fluoranthene	0.028 J		0.040	0.0087	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Benzo[g,h,i]perylene	0.025 J		0.040	0.013	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Benzo[k]fluoranthene	0.012 J		0.040	0.012	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Carbazole	<0.20		0.20	0.10	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Chrysene	0.019 J		0.040	0.011	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Fluoranthene	0.027 J		0.040	0.0075	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	✳	04/25/23 07:11	04/26/23 18:24	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-48(0-5)-041323

Lab Sample ID: 500-232206-11

Date Collected: 04/13/23 10:25

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 79.3

Method: SW846 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	☼	04/25/23 07:11	04/26/23 18:24	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	04/25/23 07:11	04/26/23 18:24	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	04/25/23 07:11	04/26/23 18:24	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	04/25/23 07:11	04/26/23 18:24	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	04/25/23 07:11	04/26/23 18:24	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	04/25/23 07:11	04/26/23 18:24	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	04/25/23 07:11	04/26/23 18:24	1
Phenanthrene	0.012	J	0.040	0.0056	mg/Kg	☼	04/25/23 07:11	04/26/23 18:24	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	04/25/23 07:11	04/26/23 18:24	1
Pyrene	0.029	J	0.040	0.0081	mg/Kg	☼	04/25/23 07:11	04/26/23 18:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	53		31 - 143				04/25/23 07:11	04/26/23 18:24	1
2-Fluorobiphenyl (Surr)	79		43 - 145				04/25/23 07:11	04/26/23 18:24	1
2-Fluorophenol (Surr)	77		31 - 166				04/25/23 07:11	04/26/23 18:24	1
Nitrobenzene-d5 (Surr)	84		37 - 147				04/25/23 07:11	04/26/23 18:24	1
Phenol-d5 (Surr)	81		30 - 153				04/25/23 07:11	04/26/23 18:24	1
Terphenyl-d14 (Surr)	94		42 - 157				04/25/23 07:11	04/26/23 18:24	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		04/17/23 17:02	04/19/23 22:56	1
Barium	0.62		0.50	0.050	mg/L		04/17/23 17:02	04/19/23 22:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:02	04/19/23 22:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:02	04/19/23 22:56	1
Chromium	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:56	1
Cobalt	0.039		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:56	1
Copper	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:56	1
Iron	<0.40		0.40	0.20	mg/L		04/17/23 17:02	04/19/23 22:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/17/23 17:02	04/19/23 22:56	1
Manganese	8.3		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:56	1
Nickel	0.033		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:56	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:02	04/19/23 22:56	1
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:56	1
Zinc	0.12	J	0.50	0.020	mg/L		04/17/23 17:02	04/19/23 22:56	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.051		0.050	0.010	mg/L		04/17/23 17:03	04/24/23 23:24	1
Barium	0.80		0.50	0.050	mg/L		04/17/23 17:03	04/24/23 23:24	1
Beryllium	0.0065		0.0040	0.0040	mg/L		04/17/23 17:03	04/24/23 23:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:03	04/24/23 23:24	1
Chromium	0.12		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:24	1
Cobalt	0.042		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:24	1
Copper	0.10		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:24	1
Iron	140		0.40	0.20	mg/L		04/17/23 17:03	04/24/23 23:24	1
Lead	0.11		0.0075	0.0075	mg/L		04/17/23 17:03	04/24/23 23:24	1
Manganese	1.8		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:24	1
Nickel	0.10		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:24	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:03	04/24/23 23:24	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-48(0-5)-041323

Lab Sample ID: 500-232206-11

Date Collected: 04/13/23 10:25

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 79.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:24	1
Zinc	0.31	J	0.50	0.020	mg/L		04/17/23 17:03	04/24/23 23:24	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6900		12	5.0	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Antimony	0.79	J	1.2	0.24	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Arsenic	12		0.61	0.21	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Barium	46		0.61	0.070	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Beryllium	0.80		0.24	0.057	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Cadmium	0.12	B	0.12	0.022	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Calcium	59000	B	61	10	mg/Kg	☆	04/19/23 15:49	04/25/23 13:02	5
Chromium	7.6		0.61	0.30	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Cobalt	23		0.31	0.080	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Copper	16	B	0.61	0.17	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Iron	21000		12	6.4	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Lead	27		0.31	0.14	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Magnesium	31000	B	31	15	mg/Kg	☆	04/19/23 15:49	04/25/23 13:02	5
Manganese	300		0.61	0.089	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Nickel	43		0.61	0.18	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Potassium	1600		31	11	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Selenium	<0.61		0.61	0.36	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Silver	0.33		0.31	0.079	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Sodium	1100		61	9.1	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Thallium	<0.61		0.61	0.31	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Vanadium	14		0.31	0.072	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1
Zinc	41		1.2	0.54	mg/Kg	☆	04/19/23 15:49	04/24/23 16:30	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/17/23 15:30	04/18/23 10:39	1

Method: SW846 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		04/18/23 15:10	04/19/23 11:17	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.019	0.010	mg/Kg	☆	04/20/23 14:55	04/21/23 08:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/17/23 19:07	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-49(0-5)-041323

Lab Sample ID: 500-232206-12

Date Collected: 04/13/23 10:40

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 78.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0082	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Benzene	<0.0019		0.0019	0.00048	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Bromoform	<0.0019		0.0019	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Bromomethane	<0.0047		0.0047	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Carbon disulfide	<0.0047		0.0047	0.00098	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Carbon tetrachloride	<0.0019		0.0019	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Chlorobenzene	<0.0019		0.0019	0.00069	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Chloroethane	<0.0047		0.0047	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Chloroform	<0.0019		0.0019	0.00065	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Chloromethane	<0.0047		0.0047	0.0019	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00057	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Dibromochloromethane	<0.0019		0.0019	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
1,2-Dichloroethane	<0.0047		0.0047	0.0015	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
1,1-Dichloroethene	<0.0019		0.0019	0.00065	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
1,2-Dichloropropane	<0.0019		0.0019	0.00049	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00066	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Ethylbenzene	<0.0019		0.0019	0.00090	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Methylene Chloride	<0.0047		0.0047	0.0019	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Methyl Ethyl Ketone	<0.0047		0.0047	0.0021	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
methyl isobutyl ketone	<0.0047		0.0047	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Styrene	<0.0019		0.0019	0.00057	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00060	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Tetrachloroethene	<0.0019		0.0019	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Toluene	<0.0019		0.0019	0.00048	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00083	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00066	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00081	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Trichloroethene	<0.0019		0.0019	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Vinyl chloride	<0.0019		0.0019	0.00083	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1
Xylenes, Total	<0.0038		0.0038	0.00060	mg/Kg	✳	04/14/23 20:00	04/19/23 05:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		75 - 131	04/14/23 20:00	04/19/23 05:20	1
Dibromofluoromethane (Surr)	100		75 - 126	04/14/23 20:00	04/19/23 05:20	1
1,2-Dichloroethane-d4 (Surr)	113		70 - 134	04/14/23 20:00	04/19/23 05:20	1
Toluene-d8 (Surr)	100		75 - 124	04/14/23 20:00	04/19/23 05:20	1

Method: SW846 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	✳	04/25/23 07:11	04/26/23 15:32	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-49(0-5)-041323

Lab Sample ID: 500-232206-12

Date Collected: 04/13/23 10:40

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 78.9

Method: SW846 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	✳	04/25/23 07:11	04/26/23 15:32	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
2,4-Dichlorophenol	<0.41		0.41	0.099	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
2,4-Dinitrophenol	<0.84		0.84	0.73	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
2-Methylnaphthalene	<0.084		0.084	0.0076	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Acenaphthene	<0.041		0.041	0.0075	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Benzo[b]fluoranthene	0.011	J	0.041	0.0090	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Carbazole	<0.21		0.21	0.10	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Chrysene	<0.041		0.041	0.011	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Hexachlorobenzene	<0.084		0.084	0.0096	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	✳	04/25/23 07:11	04/26/23 15:32	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-49(0-5)-041323

Lab Sample ID: 500-232206-12

Date Collected: 04/13/23 10:40

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 78.9

Method: SW846 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	☼	04/25/23 07:11	04/26/23 15:32	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	04/25/23 07:11	04/26/23 15:32	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	04/25/23 07:11	04/26/23 15:32	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	04/25/23 07:11	04/26/23 15:32	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	04/25/23 07:11	04/26/23 15:32	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	04/25/23 07:11	04/26/23 15:32	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	04/25/23 07:11	04/26/23 15:32	1
Phenanthrene	<0.041		0.041	0.0058	mg/Kg	☼	04/25/23 07:11	04/26/23 15:32	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	04/25/23 07:11	04/26/23 15:32	1
Pyrene	<0.041		0.041	0.0083	mg/Kg	☼	04/25/23 07:11	04/26/23 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	57		31 - 143	04/25/23 07:11	04/26/23 15:32	1
2-Fluorobiphenyl (Surr)	83		43 - 145	04/25/23 07:11	04/26/23 15:32	1
2-Fluorophenol (Surr)	82		31 - 166	04/25/23 07:11	04/26/23 15:32	1
Nitrobenzene-d5 (Surr)	87		37 - 147	04/25/23 07:11	04/26/23 15:32	1
Phenol-d5 (Surr)	84		30 - 153	04/25/23 07:11	04/26/23 15:32	1
Terphenyl-d14 (Surr)	97		42 - 157	04/25/23 07:11	04/26/23 15:32	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/17/23 17:02	04/19/23 22:59	1
Barium	0.064	J	0.50	0.050	mg/L		04/17/23 17:02	04/19/23 22:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:02	04/19/23 22:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:02	04/19/23 22:59	1
Chromium	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:59	1
Cobalt	0.026		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:59	1
Copper	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:59	1
Iron	<0.40		0.40	0.20	mg/L		04/17/23 17:02	04/19/23 22:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/17/23 17:02	04/19/23 22:59	1
Manganese	1.4		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:59	1
Nickel	0.067		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:59	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:02	04/19/23 22:59	1
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 22:59	1
Zinc	<0.50		0.50	0.020	mg/L		04/17/23 17:02	04/19/23 22:59	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.014	J	0.050	0.010	mg/L		04/17/23 17:03	04/24/23 23:27	1
Barium	0.053	J	0.50	0.050	mg/L		04/17/23 17:03	04/24/23 23:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:03	04/24/23 23:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:03	04/24/23 23:27	1
Chromium	0.035		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:27	1
Cobalt	0.013	J	0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:27	1
Copper	0.021	J	0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:27	1
Iron	35		0.40	0.20	mg/L		04/17/23 17:03	04/24/23 23:27	1
Lead	0.029		0.0075	0.0075	mg/L		04/17/23 17:03	04/24/23 23:27	1
Manganese	0.15		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:27	1
Nickel	0.044		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:27	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:03	04/24/23 23:27	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-49(0-5)-041323

Lab Sample ID: 500-232206-12

Date Collected: 04/13/23 10:40

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 78.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:27	1
Zinc	0.040	J	0.50	0.020	mg/L		04/17/23 17:03	04/24/23 23:27	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6900		12	5.1	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Antimony	0.47	J	1.2	0.24	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Arsenic	7.7		0.62	0.21	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Barium	37		0.62	0.071	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Beryllium	0.67		0.25	0.058	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Cadmium	0.14	B	0.12	0.022	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Calcium	56000	B	62	11	mg/Kg	☆	04/19/23 15:49	04/25/23 13:05	5
Chromium	7.8		0.62	0.31	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Cobalt	14		0.31	0.082	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Copper	11	B	0.62	0.17	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Iron	15000		12	6.5	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Lead	22		0.31	0.14	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Magnesium	33000	B	31	15	mg/Kg	☆	04/19/23 15:49	04/25/23 13:05	5
Manganese	380		0.62	0.091	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Nickel	23		0.62	0.18	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Potassium	1200		31	11	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Selenium	<0.62		0.62	0.37	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Silver	0.35		0.31	0.081	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Sodium	740		62	9.2	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Thallium	<0.62		0.62	0.31	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Vanadium	15		0.31	0.074	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1
Zinc	33		1.2	0.55	mg/Kg	☆	04/19/23 15:49	04/24/23 16:34	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/17/23 15:30	04/18/23 10:41	1

Method: SW846 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		04/18/23 15:10	04/19/23 11:19	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.020	0.011	mg/Kg	☆	04/20/23 14:55	04/21/23 09:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3		0.2	0.2	SU			04/17/23 19:12	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-50(0-5)-041323

Lab Sample ID: 500-232206-13

Date Collected: 04/13/23 10:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0095	J	0.016	0.0070	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
1,2-Dichloroethane	<0.0040		0.0040	0.0013	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
2-Hexanone	<0.0040		0.0040	0.0013	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	04/14/23 20:00	04/19/23 05:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		75 - 131	04/14/23 20:00	04/19/23 05:43	1
Dibromofluoromethane (Surr)	101		75 - 126	04/14/23 20:00	04/19/23 05:43	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 134	04/14/23 20:00	04/19/23 05:43	1
Toluene-d8 (Surr)	100		75 - 124	04/14/23 20:00	04/19/23 05:43	1

Method: SW846 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	☼	04/25/23 07:11	04/26/23 15:53	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	04/25/23 07:11	04/26/23 15:53	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	04/25/23 07:11	04/26/23 15:53	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	04/25/23 07:11	04/26/23 15:53	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	04/25/23 07:11	04/26/23 15:53	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-50(0-5)-041323

Lab Sample ID: 500-232206-13

Date Collected: 04/13/23 10:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.5

Method: SW846 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	✳	04/25/23 07:11	04/26/23 15:53	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
2,4-Dichlorophenol	<0.37		0.37	0.090	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Benzo[a]anthracene	0.016	J	0.037	0.0051	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Benzo[a]pyrene	0.015	J	0.037	0.0073	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Benzo[b]fluoranthene	0.021	J	0.037	0.0081	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Benzo[g,h,i]perylene	0.021	J	0.037	0.012	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Chrysene	0.013	J	0.037	0.010	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Fluoranthene	0.012	J	0.037	0.0070	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	04/25/23 07:11	04/26/23 15:53	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-50(0-5)-041323

Lab Sample ID: 500-232206-13

Date Collected: 04/13/23 10:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.032	J	0.037	0.0098	mg/Kg	☼	04/25/23 07:11	04/26/23 15:53	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/25/23 07:11	04/26/23 15:53	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	04/25/23 07:11	04/26/23 15:53	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	04/25/23 07:11	04/26/23 15:53	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/25/23 07:11	04/26/23 15:53	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	04/25/23 07:11	04/26/23 15:53	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/25/23 07:11	04/26/23 15:53	1
Phenanthrene	0.011	J	0.037	0.0053	mg/Kg	☼	04/25/23 07:11	04/26/23 15:53	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/25/23 07:11	04/26/23 15:53	1
Pyrene	0.015	J	0.037	0.0075	mg/Kg	☼	04/25/23 07:11	04/26/23 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	55		31 - 143				04/25/23 07:11	04/26/23 15:53	1
2-Fluorobiphenyl (Surr)	64		43 - 145				04/25/23 07:11	04/26/23 15:53	1
2-Fluorophenol (Surr)	68		31 - 166				04/25/23 07:11	04/26/23 15:53	1
Nitrobenzene-d5 (Surr)	68		37 - 147				04/25/23 07:11	04/26/23 15:53	1
Phenol-d5 (Surr)	71		30 - 153				04/25/23 07:11	04/26/23 15:53	1
Terphenyl-d14 (Surr)	93		42 - 157				04/25/23 07:11	04/26/23 15:53	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/17/23 17:02	04/19/23 23:02	1
Barium	0.81		0.50	0.050	mg/L		04/17/23 17:02	04/19/23 23:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:02	04/19/23 23:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:02	04/19/23 23:02	1
Chromium	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:02	1
Cobalt	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:02	1
Copper	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:02	1
Iron	<0.40		0.40	0.20	mg/L		04/17/23 17:02	04/19/23 23:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/17/23 17:02	04/19/23 23:02	1
Manganese	1.9		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:02	1
Nickel	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:02	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:02	04/19/23 23:02	1
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:02	1
Zinc	<0.50		0.50	0.020	mg/L		04/17/23 17:02	04/19/23 23:02	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.046	J	0.050	0.010	mg/L		04/17/23 17:03	04/24/23 23:31	1
Barium	0.58		0.50	0.050	mg/L		04/17/23 17:03	04/24/23 23:31	1
Beryllium	0.0056		0.0040	0.0040	mg/L		04/17/23 17:03	04/24/23 23:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:03	04/24/23 23:31	1
Chromium	0.11		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:31	1
Cobalt	0.050		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:31	1
Copper	0.11		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:31	1
Iron	120		0.40	0.20	mg/L		04/17/23 17:03	04/24/23 23:31	1
Lead	0.076		0.0075	0.0075	mg/L		04/17/23 17:03	04/24/23 23:31	1
Manganese	1.3		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:31	1
Nickel	0.14		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:31	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:03	04/24/23 23:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-50(0-5)-041323

Lab Sample ID: 500-232206-13

Date Collected: 04/13/23 10:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.5

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:31	1
Zinc	0.38	J	0.50	0.020	mg/L		04/17/23 17:03	04/24/23 23:31	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		11	4.7	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Antimony	0.37	J	1.1	0.22	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Arsenic	7.2		0.57	0.20	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Barium	110		0.57	0.065	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Beryllium	0.79		0.23	0.054	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Cadmium	0.16	B	0.11	0.021	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Calcium	61000	B	57	9.7	mg/Kg	☆	04/19/23 15:49	04/25/23 13:08	5
Chromium	16		0.57	0.28	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Cobalt	11		0.29	0.075	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Copper	20	B	0.57	0.16	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Iron	19000		11	6.0	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Lead	15		0.29	0.13	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Magnesium	25000	B	29	14	mg/Kg	☆	04/19/23 15:49	04/25/23 13:08	5
Manganese	440		0.57	0.083	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Nickel	29		0.57	0.17	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Potassium	2000		29	10	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Selenium	0.37	J	0.57	0.34	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Silver	0.37		0.29	0.074	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Sodium	680		57	8.5	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Thallium	<0.57		0.57	0.29	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Vanadium	22		0.29	0.068	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1
Zinc	60		1.1	0.50	mg/Kg	☆	04/19/23 15:49	04/24/23 16:37	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/17/23 15:30	04/18/23 10:43	1

Method: SW846 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		04/18/23 15:10	04/19/23 11:21	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018		0.018	0.0094	mg/Kg	☆	04/20/23 14:55	04/21/23 09:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			04/17/23 19:17	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-50(0-5)-041323D

Lab Sample ID: 500-232206-14

Date Collected: 04/13/23 10:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.014	J	0.016	0.0070	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Methyl Ethyl Ketone	0.0026	J	0.0040	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	✳	04/14/23 20:00	04/19/23 06:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		75 - 131	04/14/23 20:00	04/19/23 06:07	1
Dibromofluoromethane (Surr)	103		75 - 126	04/14/23 20:00	04/19/23 06:07	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	04/14/23 20:00	04/19/23 06:07	1
Toluene-d8 (Surr)	101		75 - 124	04/14/23 20:00	04/19/23 06:07	1

Method: SW846 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	✳	04/25/23 07:11	04/26/23 19:29	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-50(0-5)-041323D

Lab Sample ID: 500-232206-14

Date Collected: 04/13/23 10:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.5

Method: SW846 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	✳	04/25/23 07:11	04/26/23 19:29	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Benzo[a]anthracene	0.014	J	0.039	0.0052	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Benzo[a]pyrene	0.016	J	0.039	0.0075	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Benzo[b]fluoranthene	0.020	J	0.039	0.0084	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Benzo[g,h,i]perylene	0.021	J	0.039	0.012	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.040	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Carbazole	<0.19		0.19	0.097	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Chrysene	0.015	J	0.039	0.011	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Fluoranthene	0.018	J	0.039	0.0072	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	✳	04/25/23 07:11	04/26/23 19:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-50(0-5)-041323D

Lab Sample ID: 500-232206-14

Date Collected: 04/13/23 10:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.5

Method: SW846 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		0.039	0.010	mg/Kg	☼	04/25/23 07:11	04/26/23 19:29	1
Isophorone	<0.19		0.19	0.044	mg/Kg	☼	04/25/23 07:11	04/26/23 19:29	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/25/23 07:11	04/26/23 19:29	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/25/23 07:11	04/26/23 19:29	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/25/23 07:11	04/26/23 19:29	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	04/25/23 07:11	04/26/23 19:29	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/25/23 07:11	04/26/23 19:29	1
Phenanthrene	0.012	J	0.039	0.0054	mg/Kg	☼	04/25/23 07:11	04/26/23 19:29	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	04/25/23 07:11	04/26/23 19:29	1
Pyrene	0.023	J	0.039	0.0077	mg/Kg	☼	04/25/23 07:11	04/26/23 19:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	61		31 - 143				04/25/23 07:11	04/26/23 19:29	1
2-Fluorobiphenyl (Surr)	80		43 - 145				04/25/23 07:11	04/26/23 19:29	1
2-Fluorophenol (Surr)	75		31 - 166				04/25/23 07:11	04/26/23 19:29	1
Nitrobenzene-d5 (Surr)	81		37 - 147				04/25/23 07:11	04/26/23 19:29	1
Phenol-d5 (Surr)	82		30 - 153				04/25/23 07:11	04/26/23 19:29	1
Terphenyl-d14 (Surr)	96		42 - 157				04/25/23 07:11	04/26/23 19:29	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/17/23 17:02	04/19/23 23:12	1
Barium	0.94		0.50	0.050	mg/L		04/17/23 17:02	04/19/23 23:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:02	04/19/23 23:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:02	04/19/23 23:12	1
Chromium	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:12	1
Cobalt	0.011	J	0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:12	1
Copper	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:12	1
Iron	<0.40		0.40	0.20	mg/L		04/17/23 17:02	04/19/23 23:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/17/23 17:02	04/19/23 23:12	1
Manganese	5.3		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:12	1
Nickel	0.016	J	0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:12	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:02	04/19/23 23:12	1
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:12	1
Zinc	0.039	J	0.50	0.020	mg/L		04/17/23 17:02	04/19/23 23:12	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.049	J	0.050	0.010	mg/L		04/17/23 17:03	04/24/23 23:34	1
Barium	0.55		0.50	0.050	mg/L		04/17/23 17:03	04/24/23 23:34	1
Beryllium	0.0059		0.0040	0.0040	mg/L		04/17/23 17:03	04/24/23 23:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:03	04/24/23 23:34	1
Chromium	0.12		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:34	1
Cobalt	0.056		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:34	1
Copper	0.12		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:34	1
Iron	120		0.40	0.20	mg/L		04/17/23 17:03	04/24/23 23:34	1
Lead	0.084		0.0075	0.0075	mg/L		04/17/23 17:03	04/24/23 23:34	1
Manganese	1.2		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:34	1
Nickel	0.15		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:34	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:03	04/24/23 23:34	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-50(0-5)-041323D

Lab Sample ID: 500-232206-14

Date Collected: 04/13/23 10:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.5

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:34	1
Zinc	0.40	J	0.50	0.020	mg/L		04/17/23 17:03	04/24/23 23:34	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		12	4.7	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Antimony	0.29	J	1.2	0.23	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Arsenic	6.2		0.58	0.20	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Barium	86		0.58	0.066	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Beryllium	0.78		0.23	0.054	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Cadmium	0.14	B	0.12	0.021	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Calcium	44000	B	58	9.8	mg/Kg	☆	04/19/23 15:49	04/25/23 13:11	5
Chromium	16		0.58	0.29	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Cobalt	10		0.29	0.076	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Copper	18	B	0.58	0.16	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Iron	18000		12	6.0	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Lead	20		0.29	0.13	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Magnesium	20000	B	29	14	mg/Kg	☆	04/19/23 15:49	04/25/23 13:11	5
Manganese	360		0.58	0.084	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Nickel	25		0.58	0.17	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Potassium	1600		29	10	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Selenium	0.42	J	0.58	0.34	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Silver	0.33		0.29	0.075	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Sodium	760		58	8.6	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Vanadium	25		0.29	0.068	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1
Zinc	62		1.2	0.51	mg/Kg	☆	04/19/23 15:49	04/24/23 16:41	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/17/23 15:30	04/18/23 10:50	1

Method: SW846 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		04/18/23 15:10	04/19/23 11:23	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.019	0.0099	mg/Kg	☆	04/20/23 14:55	04/21/23 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			04/17/23 19:20	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-51(0-5)-041323

Lab Sample ID: 500-232206-15

Date Collected: 04/13/23 11:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 85.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.021		0.019	0.0084	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Carbon disulfide	<0.0048		0.0048	0.0010	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Chlorobenzene	<0.0019		0.0019	0.00071	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Chloroform	<0.0019		0.0019	0.00067	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00068	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Ethylbenzene	<0.0019		0.0019	0.00092	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Methyl Ethyl Ketone	0.0025 J		0.0048	0.0021	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00057	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Tetrachloroethene	<0.0019		0.0019	0.00066	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Toluene	<0.0019		0.0019	0.00049	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00085	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00068	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00065	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00083	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Vinyl chloride	<0.0019		0.0019	0.00085	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1
Xylenes, Total	<0.0039		0.0039	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 06:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		75 - 131	04/14/23 20:00	04/19/23 06:30	1
Dibromofluoromethane (Surr)	101		75 - 126	04/14/23 20:00	04/19/23 06:30	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	04/14/23 20:00	04/19/23 06:30	1
Toluene-d8 (Surr)	101		75 - 124	04/14/23 20:00	04/19/23 06:30	1

Method: SW846 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	✳	04/25/23 07:11	04/26/23 16:15	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	✳	04/25/23 07:11	04/26/23 16:15	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 07:11	04/26/23 16:15	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/25/23 07:11	04/26/23 16:15	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/25/23 07:11	04/26/23 16:15	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-51(0-5)-041323

Lab Sample ID: 500-232206-15

Date Collected: 04/13/23 11:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 85.3

Method: SW846 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	✱	04/25/23 07:11	04/26/23 16:15	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
2,4-Dinitrophenol	<0.77		0.77	0.68	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
2-Methylnaphthalene	<0.077		0.077	0.0071	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Carbazole	<0.19		0.19	0.096	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✱	04/25/23 07:11	04/26/23 16:15	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-51(0-5)-041323

Lab Sample ID: 500-232206-15

Date Collected: 04/13/23 11:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 85.3

Method: SW846 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	☼	04/25/23 07:11	04/26/23 16:15	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/25/23 07:11	04/26/23 16:15	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/25/23 07:11	04/26/23 16:15	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	04/25/23 07:11	04/26/23 16:15	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	04/25/23 07:11	04/26/23 16:15	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/25/23 07:11	04/26/23 16:15	1
Pentachlorophenol	<0.77		0.77	0.62	mg/Kg	☼	04/25/23 07:11	04/26/23 16:15	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	04/25/23 07:11	04/26/23 16:15	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	04/25/23 07:11	04/26/23 16:15	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	04/25/23 07:11	04/26/23 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	47		31 - 143	04/25/23 07:11	04/26/23 16:15	1
2-Fluorobiphenyl (Surr)	61		43 - 145	04/25/23 07:11	04/26/23 16:15	1
2-Fluorophenol (Surr)	65		31 - 166	04/25/23 07:11	04/26/23 16:15	1
Nitrobenzene-d5 (Surr)	67		37 - 147	04/25/23 07:11	04/26/23 16:15	1
Phenol-d5 (Surr)	68		30 - 153	04/25/23 07:11	04/26/23 16:15	1
Terphenyl-d14 (Surr)	85		42 - 157	04/25/23 07:11	04/26/23 16:15	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/17/23 17:02	04/19/23 23:15	1
Barium	0.16	J	0.50	0.050	mg/L		04/17/23 17:02	04/19/23 23:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:02	04/19/23 23:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:02	04/19/23 23:15	1
Chromium	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:15	1
Cobalt	0.020	J	0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:15	1
Copper	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:15	1
Iron	<0.40		0.40	0.20	mg/L		04/17/23 17:02	04/19/23 23:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/17/23 17:02	04/19/23 23:15	1
Manganese	3.2		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:15	1
Nickel	0.039		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:15	1
Selenium	0.021	J	0.050	0.020	mg/L		04/17/23 17:02	04/19/23 23:15	1
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:15	1
Zinc	0.036	J	0.50	0.020	mg/L		04/17/23 17:02	04/19/23 23:15	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.023	J	0.050	0.010	mg/L		04/17/23 17:03	04/24/23 23:37	1
Barium	0.18	J	0.50	0.050	mg/L		04/17/23 17:03	04/24/23 23:37	1
Beryllium	0.0051		0.0040	0.0040	mg/L		04/17/23 17:03	04/24/23 23:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:03	04/24/23 23:37	1
Chromium	0.066		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:37	1
Cobalt	0.028		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:37	1
Copper	0.037		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:37	1
Iron	61		0.40	0.20	mg/L		04/17/23 17:03	04/24/23 23:37	1
Lead	0.051		0.0075	0.0075	mg/L		04/17/23 17:03	04/24/23 23:37	1
Manganese	0.73		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:37	1
Nickel	0.066		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:37	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:03	04/24/23 23:37	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-51(0-5)-041323

Lab Sample ID: 500-232206-15

Date Collected: 04/13/23 11:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 85.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:37	1
Zinc	0.064	J	0.50	0.020	mg/L		04/17/23 17:03	04/24/23 23:37	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4600		11	4.7	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Antimony	0.33	J	1.1	0.22	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Arsenic	4.5		0.57	0.20	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Barium	23		2.9	0.33	mg/Kg	☆	04/19/23 15:49	04/25/23 13:14	5
Beryllium	0.60		0.23	0.054	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Cadmium	0.093	J B	0.11	0.021	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Calcium	88000	B	57	9.7	mg/Kg	☆	04/19/23 15:49	04/25/23 13:14	5
Chromium	5.4		0.57	0.28	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Cobalt	6.6		0.29	0.075	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Copper	5.5	B	0.57	0.16	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Iron	15000		57	30	mg/Kg	☆	04/19/23 15:49	04/25/23 13:14	5
Lead	13		0.29	0.13	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Magnesium	51000	B	29	14	mg/Kg	☆	04/19/23 15:49	04/25/23 13:14	5
Manganese	240		0.57	0.083	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Nickel	14		0.57	0.17	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Potassium	1300		29	10	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Silver	0.39		0.29	0.074	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Sodium	640		57	8.5	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Thallium	<0.57		0.57	0.29	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Vanadium	9.2		0.29	0.068	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1
Zinc	10		1.1	0.50	mg/Kg	☆	04/19/23 15:49	04/24/23 16:44	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/17/23 15:30	04/18/23 10:52	1

Method: SW846 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		04/18/23 15:10	04/19/23 11:25	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.018		0.018	0.0096	mg/Kg	☆	04/20/23 14:55	04/21/23 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/17/23 19:22	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-53(0-5)-041323

Lab Sample ID: 500-232206-19

Date Collected: 04/13/23 12:10

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 85.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	J	0.019	0.0085	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Benzene	<0.0019		0.0019	0.00050	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Bromodichloromethane	<0.0019		0.0019	0.00040	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Bromoform	<0.0019		0.0019	0.00057	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Carbon disulfide	<0.0049		0.0049	0.0010	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Chlorobenzene	<0.0019		0.0019	0.00072	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Chloroethane	<0.0049		0.0049	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Chloroform	<0.0019		0.0019	0.00067	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Chloromethane	<0.0049		0.0049	0.0020	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
1,1-Dichloroethene	<0.0019		0.0019	0.00067	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00068	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Ethylbenzene	<0.0019		0.0019	0.00093	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Methylene Chloride	<0.0049		0.0049	0.0019	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Methyl Ethyl Ketone	<0.0049		0.0049	0.0022	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
methyl isobutyl ketone	<0.0049		0.0049	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00057	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Styrene	<0.0019		0.0019	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Tetrachloroethene	<0.0019		0.0019	0.00066	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Toluene	<0.0019		0.0019	0.00049	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00086	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00068	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00065	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00083	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Trichloroethene	<0.0019		0.0019	0.00066	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Vinyl chloride	<0.0019		0.0019	0.00086	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1
Xylenes, Total	<0.0039		0.0039	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 13:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	04/14/23 20:00	04/19/23 13:28	1
Dibromofluoromethane (Surr)	96		75 - 126	04/14/23 20:00	04/19/23 13:28	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	04/14/23 20:00	04/19/23 13:28	1
Toluene-d8 (Surr)	92		75 - 124	04/14/23 20:00	04/19/23 13:28	1

Method: SW846 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	✳	04/25/23 07:11	04/26/23 20:12	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
1,3-Dichlorobenzene	<0.19		0.19	0.041	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-53(0-5)-041323

Lab Sample ID: 500-232206-19

Date Collected: 04/13/23 12:10

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 85.5

Method: SW846 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	0.084	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2,4-Dichlorophenol	<0.37		0.37	0.087	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2,6-Dinitrotoluene	<0.19		0.19	0.072	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2-Methylnaphthalene	<0.074		0.074	0.0068	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
3 & 4 Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Anthracene	<0.037		0.037	0.0061	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Benzo[a]anthracene	0.039		0.037	0.0050	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Benzo[a]pyrene	0.030 J		0.037	0.0071	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Benzo[b]fluoranthene	0.019 J		0.037	0.0079	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.067	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Carbazole	<0.19		0.19	0.092	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Chrysene	0.066		0.037	0.010	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0071	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Diethyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Fluoranthene	0.0093 J		0.037	0.0068	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-53(0-5)-041323

Lab Sample ID: 500-232206-19

Date Collected: 04/13/23 12:10

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 85.5

Method: SW846 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	0.0095	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
Isophorone	<0.19		0.19	0.041	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
N-Nitrosodiphenylamine	<0.19		0.19	0.043	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
Phenanthrene	0.0099	J	0.037	0.0051	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
Pyrene	0.070		0.037	0.0073	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	56		31 - 143				04/25/23 07:11	04/26/23 20:12	1
2-Fluorobiphenyl (Surr)	76		43 - 145				04/25/23 07:11	04/26/23 20:12	1
2-Fluorophenol (Surr)	77		31 - 166				04/25/23 07:11	04/26/23 20:12	1
Nitrobenzene-d5 (Surr)	80		37 - 147				04/25/23 07:11	04/26/23 20:12	1
Phenol-d5 (Surr)	80		30 - 153				04/25/23 07:11	04/26/23 20:12	1
Terphenyl-d14 (Surr)	84		42 - 157				04/25/23 07:11	04/26/23 20:12	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/17/23 17:02	04/19/23 23:25	1
Barium	0.41	J	0.50	0.050	mg/L		04/17/23 17:02	04/19/23 23:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:02	04/19/23 23:25	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		04/17/23 17:02	04/19/23 23:25	1
Chromium	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:25	1
Cobalt	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:25	1
Copper	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:25	1
Iron	<0.40		0.40	0.20	mg/L		04/17/23 17:02	04/19/23 23:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/17/23 17:02	04/19/23 23:25	1
Manganese	0.81		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:25	1
Nickel	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:25	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:02	04/19/23 23:25	1
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:25	1
Zinc	0.073	J	0.50	0.020	mg/L		04/17/23 17:02	04/19/23 23:25	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.079		0.050	0.010	mg/L		04/17/23 17:03	04/24/23 23:58	1
Barium	0.46	J	0.50	0.050	mg/L		04/17/23 17:03	04/24/23 23:58	1
Beryllium	0.0091		0.0040	0.0040	mg/L		04/17/23 17:03	04/24/23 23:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:03	04/24/23 23:58	1
Chromium	0.17		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:58	1
Cobalt	0.093		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:58	1
Copper	0.24		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:58	1
Iron	200		0.40	0.20	mg/L		04/17/23 17:03	04/24/23 23:58	1
Lead	0.18		0.0075	0.0075	mg/L		04/17/23 17:03	04/24/23 23:58	1
Manganese	1.8		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:58	1
Nickel	0.24		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:58	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:03	04/24/23 23:58	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-53(0-5)-041323

Lab Sample ID: 500-232206-19

Date Collected: 04/13/23 12:10

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 85.5

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:58	1
Zinc	0.65		0.50	0.020	mg/L		04/17/23 17:03	04/24/23 23:58	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7900		11	4.6	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Antimony	0.28	J	1.1	0.22	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Arsenic	6.5		0.56	0.19	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Barium	40		2.8	0.32	mg/Kg	☆	04/19/23 15:49	04/25/23 13:46	5
Beryllium	0.58		0.23	0.053	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Cadmium	0.19	B	0.11	0.020	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Calcium	86000	B	56	9.6	mg/Kg	☆	04/19/23 15:49	04/25/23 13:46	5
Chromium	10		0.56	0.28	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Cobalt	7.9		0.28	0.074	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Copper	15	B	0.56	0.16	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Iron	16000		56	29	mg/Kg	☆	04/19/23 15:49	04/25/23 13:46	5
Lead	41		0.28	0.13	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Magnesium	49000	B	28	14	mg/Kg	☆	04/19/23 15:49	04/25/23 13:46	5
Manganese	330		0.56	0.082	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Nickel	18		0.56	0.16	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Potassium	1400		28	10	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Silver	0.23	J	0.28	0.073	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Sodium	770		56	8.3	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Vanadium	17		0.28	0.067	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Zinc	68		1.1	0.50	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/17/23 15:30	04/18/23 10:58	1

Method: SW846 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		04/18/23 15:10	04/19/23 11:38	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.018	0.0095	mg/Kg	☆	04/20/23 14:55	04/21/23 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.6		0.2	0.2	SU			04/17/23 19:27	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-53(5-10)-041323

Lab Sample ID: 500-232206-20

Date Collected: 04/13/23 12:15

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0075	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	✱	04/14/23 20:00	04/19/23 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	04/14/23 20:00	04/19/23 13:54	1
Dibromofluoromethane (Surr)	96		75 - 126	04/14/23 20:00	04/19/23 13:54	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	04/14/23 20:00	04/19/23 13:54	1
Toluene-d8 (Surr)	91		75 - 124	04/14/23 20:00	04/19/23 13:54	1

Method: SW846 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	✱	04/25/23 07:11	04/26/23 20:34	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	✱	04/25/23 07:11	04/26/23 20:34	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	✱	04/25/23 07:11	04/26/23 20:34	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	✱	04/25/23 07:11	04/26/23 20:34	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	✱	04/25/23 07:11	04/26/23 20:34	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-53(5-10)-041323

Lab Sample ID: 500-232206-20

Date Collected: 04/13/23 12:15

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.6

Method: SW846 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	✳	04/25/23 07:11	04/26/23 20:34	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2-Methylnaphthalene	0.012	J	0.073	0.0067	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
4-Nitrophenol	<0.73		0.73	0.34	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Benzo[g,h,i]perylene	0.017	J	0.036	0.012	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Carbazole	<0.18		0.18	0.091	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-53(5-10)-041323

Lab Sample ID: 500-232206-20

Date Collected: 04/13/23 12:15

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.6

Method: SW846 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	☼	04/25/23 07:11	04/26/23 20:34	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
Phenanthrene	0.029	J	0.036	0.0051	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
Pyrene	0.013	J	0.036	0.0072	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	60		31 - 143				04/25/23 07:11	04/26/23 20:34	1
2-Fluorobiphenyl (Surr)	81		43 - 145				04/25/23 07:11	04/26/23 20:34	1
2-Fluorophenol (Surr)	79		31 - 166				04/25/23 07:11	04/26/23 20:34	1
Nitrobenzene-d5 (Surr)	84		37 - 147				04/25/23 07:11	04/26/23 20:34	1
Phenol-d5 (Surr)	84		30 - 153				04/25/23 07:11	04/26/23 20:34	1
Terphenyl-d14 (Surr)	91		42 - 157				04/25/23 07:11	04/26/23 20:34	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/17/23 17:02	04/19/23 23:54	1
Barium	0.35	J	0.50	0.050	mg/L		04/17/23 17:02	04/19/23 23:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:02	04/19/23 23:54	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		04/17/23 17:02	04/19/23 23:54	1
Chromium	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:54	1
Cobalt	0.045		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:54	1
Copper	0.035		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:54	1
Iron	<0.40		0.40	0.20	mg/L		04/17/23 17:02	04/19/23 23:54	1
Lead	0.0076		0.0075	0.0075	mg/L		04/17/23 17:02	04/19/23 23:54	1
Manganese	5.1		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:54	1
Nickel	0.055		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:54	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:02	04/19/23 23:54	1
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:54	1
Zinc	0.040	J	0.50	0.020	mg/L		04/17/23 17:02	04/19/23 23:54	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/17/23 17:03	04/25/23 00:02	1
Barium	<0.50		0.50	0.050	mg/L		04/17/23 17:03	04/25/23 00:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:03	04/25/23 00:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:03	04/25/23 00:02	1
Chromium	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/25/23 00:02	1
Cobalt	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/25/23 00:02	1
Copper	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/25/23 00:02	1
Iron	2.4		0.40	0.20	mg/L		04/17/23 17:03	04/25/23 00:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/17/23 17:03	04/25/23 00:02	1
Manganese	0.031		0.025	0.010	mg/L		04/17/23 17:03	04/25/23 00:02	1
Nickel	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/25/23 00:02	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:03	04/25/23 00:02	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-53(5-10)-041323

Lab Sample ID: 500-232206-20

Date Collected: 04/13/23 12:15

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/25/23 00:02	1
Zinc	<0.50		0.50	0.020	mg/L		04/17/23 17:03	04/25/23 00:02	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8000		11	4.6	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Antimony	0.26	J	1.1	0.22	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Arsenic	7.1		0.57	0.19	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Barium	38		2.8	0.32	mg/Kg	☆	04/19/23 15:49	04/25/23 13:49	5
Beryllium	0.62		0.23	0.053	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Cadmium	0.15	B	0.11	0.020	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Calcium	76000	B	57	9.6	mg/Kg	☆	04/19/23 15:49	04/25/23 13:49	5
Chromium	12		0.57	0.28	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Cobalt	9.9		0.28	0.074	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Copper	22	B	0.57	0.16	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Iron	19000		57	29	mg/Kg	☆	04/19/23 15:49	04/25/23 13:49	5
Lead	11		0.28	0.13	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Magnesium	39000	B	28	14	mg/Kg	☆	04/19/23 15:49	04/25/23 13:49	5
Manganese	330		0.57	0.082	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Nickel	25		0.57	0.16	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Potassium	2000		28	10	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Selenium	<0.57		0.57	0.33	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Silver	0.23	J	0.28	0.073	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Sodium	620		57	8.4	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Thallium	<0.57		0.57	0.28	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Vanadium	17		0.28	0.067	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Zinc	50		1.1	0.50	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/17/23 15:30	04/18/23 11:15	1

Method: SW846 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		04/18/23 15:10	04/19/23 11:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.018	0.0093	mg/Kg	☆	04/20/23 14:55	04/21/23 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.2	0.2	SU			04/18/23 11:55	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD 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 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)

Euofins Chicago

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

1

2

3

4

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name: <u>Western Software</u> Address: <u>308 Knightbridge Plany</u> City/State/Zip: <u>Medford, RI</u> Phone: _____ Fax: _____ Project Name: <u>POST 051</u> Site: <u>E-90</u> P O #: _____		Project Manager: <u>A. Slosser</u> Tel/Email: _____		Site Contact: <u>C. Penn</u> Date: <u>4-13-23</u>		COC No: _____ of _____ COCs							
Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Lab Contact: <u>R. Wright</u> Carrier: _____		Sampler: _____ For Lab Use Only: Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/> Job / SDG No: <u>500-232206</u>		Sample Specific Notes							
Sample Identificati <u>500-232206 COC</u>		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N) Perform MS / MSD (Y/N)	VOCs SVOCs Total Metals TCLP / SPC methods PAH					
1	Row-37(05)-041323	4/13/23	0730	G	S	6		X	X	X	X	X	
2	Row-38(05)-041323		0745					X	X	X	X	X	
3	Row-38(5-10)-041323		0750					X	X	X	X	X	
4	Row-38-041323		0815	G	W	6		X	X	X			
5	TRIP Blank				W	2		X					
6	Row-39(05)-041323	4/13/23	0840	G	S	6		X	X	X	X	X	
7	Row-40(05)-041323		0900					X	X	X	X	X	
8	Row-41(05)-041323		0940					X	X	X	X	X	
9	Row-46(05)-041323		1010					X	X	X	X	X	
10	Row-47(05)-041323		1020					X	X	X	X	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other													
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown								Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments: <p style="text-align: right;">5.8 → 4.7, 5.5 → 4.4, 5.8 → 4.7</p>													
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C). Obs'd _____ Corr'd _____		Therm ID No _____							
Relinquished by <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>4/13/23 1645</u>		Received by <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1645</u>			
Relinquished by <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1802</u>		Received by <u>[Signature]</u>		Company: _____		Date/Time: _____			
Relinquished by _____		Company: _____		Date/Time: _____		Received by Laboratory by <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1802</u>			

Chain of Custody Record

538482



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name <u>Weston Soloth</u> Address <u>300 Kirklandville Plany</u> City/State/Zip <u>Cherishree, Pa</u> Phone _____ Fax _____ Project Name <u>Root 051</u> Site <u>I-80</u> P O # _____		Project Manager <u>A Slesces</u> Tel/Email: _____ Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact <u>C Penn</u> Date <u>4-13-23</u> Lab Contact <u>R Wynn</u> Carrier _____ COC No _____ 2 of 4 COCs Sampler _____ For Lab Use Only. Walk-in Client _____ Lab Sampling _____ Job / SDG No <u>500-232206</u>									
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	SVOCs	Total Metals	TEP/SEP Metals	pH	Sample Specific Notes
11 Row-48 (0-5) -041323	4/13/23	1025	G	S	6			X	X	X	X	X	
12 Row-49 (0-5) -041323		1040											
13 Row-50 (0-5) -041323		1050											
14 Row-50 (0-5) -041323D		1050											
15 Row-51 (0-5) -041323		1100											
16 Row-52 (0-5) -041323		1130											
17 Row-52 (5-10) -041323		1135											
18 Row-52 (10-15) -041323		1140											
19 Row-53 (0-5) -041323		1210											
20 Row-53 (5-10) -041323		1215											
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other						Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							
Special Instructions/QC Requirements & Comments:						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months							
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____							
Relinquished by _____ Company <u>WS</u>		Date/Time <u>4/13/23/1802</u>		Received by <u>M. J. Elhan</u>		Company <u>EETA</u>		Date/Time <u>4/13/23 1645</u>					
Relinquished by <u>M. J. Elhan</u>		Company <u>EETA</u>		Date/Time <u>4/13/23</u>		Received by _____		Company _____ Date/Time _____					
Relinquished by _____		Company _____		Date/Time _____		Received in Laboratory by <u>Shirley Root</u>		Company <u>ERDA</u>		Date/Time <u>4/13/23 1802</u>			

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name: <u>Western Software</u> Address: <u>308 Knightbridge Plany</u> City/State/Zip: <u>Medford, RI</u> Phone: _____ Fax: _____ Project Name: <u>POST 051</u> Site: <u>E-90</u> P O #: _____		Project Manager: <u>A. Slosser</u> Tel/Email: _____		Site Contact: <u>C. Penn</u> Date: <u>4-13-23</u>		COC No: _____ of _____ COCs					
Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Lab Contact: <u>R. Wright</u> Carrier: _____		Sampler: _____ For Lab Use Only: Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/> Job / SDG No: <u>500-232206</u>		Sample Specific Notes					
Sample Identificati <u>500-232206 COC</u>		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N) Perform MS / MSD (Y/N)	VOCs SVOCs Total Metals TCLP / SPC methods PAH			
1	Row-37(05)-041323	4/13/23	0730	G	S	6		X X X X X			
2	Row-38(05)-041323		0745					X X X X X			
3	Row-38(5-10)-041323		0750					X X X X X			
4	Row-38-041323		0815	G	W	6		X X X			
5	TRIP Blank				W	2		X			
6	Row-39(05)-041323	4/13/23	0840	G	S	6		X X X X X			
7	Row-40(05)-041323		0900					X X X X X			
8	Row-41(05)-041323		0940					X X X X X			
9	Row-46(05)-041323		1010					X X X X X			
10	Row-47(05)-041323		1020					X X X X X			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other											
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample								Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
<input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown											
Special Instructions/QC Requirements & Comments: <p style="text-align: right; font-size: 1.2em;">5.8 → 4.7, 5.5 → 4.4, 5.8 → 4.7</p>											
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C), Obs'd _____		Corr'd _____		Therm ID No _____			
Relinquished by <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>4/13/23/1802</u>		Received by <u>[Signature]</u>		Company: <u>EETA</u>			
Relinquished by <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23/1802</u>		Received by <u>[Signature]</u>		Company: _____			
Relinquished by <u>[Signature]</u>		Company: _____		Date/Time: _____		Received by Laboratory by <u>[Signature]</u>		Company: <u>EETA</u>			
								Date/Time: <u>4/13/23</u>			

Chain of Custody Record

538482



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name <u>Weston Soloth</u> Address <u>300 Kirtlandville Plany</u> City/State/Zip <u>Cherishree, Pa</u> Phone _____ Fax _____ Project Name <u>Root 051</u> Site <u>I-80</u> P O # _____		Project Manager <u>A Slesces</u> Tel/Email: _____ Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact <u>C Penn</u> Date <u>4-13-23</u> Lab Contact <u>R Wynn</u> Carrier _____ COC No _____ 2 of 4 COCs Sampler _____ For Lab Use Only. Walk-in Client _____ Lab Sampling _____ Job / SDG No <u>500-232206</u>									
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	SVOCs	Total Metals	TEP/SEP Metals	pH	Sample Specific Notes
11 Row-48 (0-5) -041323	4/13/23	1025	G	S	6			X	X	X	X	X	
12 Row-49 (0-5) -041323		1040											
13 Row-50 (0-5) -041323		1050											
14 Row-50 (0-5) -041323D		1050											
15 Row-51 (0-5) -041323		1100											
16 Row-52 (0-5) -041323		1130											
17 Row-52 (5-10) -041323		1135											
18 Row-52 (10-15) -041323		1140											
19 Row-53 (0-5) -041323		1210											
20 Row-53 (5-10) -041323		1215											
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other						Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							
Special Instructions/QC Requirements & Comments:						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months							
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____							
Relinquished by _____ Company <u>WS</u>		Date/Time <u>4/13/23/1800</u>		Received by <u>M. J. Elhan</u>		Company <u>EETA</u>		Date/Time <u>4/13/23 1645</u>					
Relinquished by <u>M. J. Elhan</u>		Company <u>EETA</u>		Date/Time <u>4/13/23</u>		Received by _____		Date/Time _____					
Relinquished by _____		Company _____		Date/Time _____		Received in Laboratory by <u>Shirley Root</u>		Company <u>ERDA</u>		Date/Time <u>4/13/23 1800</u>			



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/27/2023 9:45:55 AM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-232207-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-232207-1	ROW-53(10-15)-041323	Solid	04/13/23 12:20	04/13/23 18:02
500-232207-2	ROW-54(0-5)-041323	Solid	04/13/23 12:40	04/13/23 18:02
500-232207-3	ROW-55(0-5)-041323	Solid	04/13/23 13:00	04/13/23 18:02
500-232207-4	ROW-55(5-10)-041323	Solid	04/13/23 13:05	04/13/23 18:02
500-232207-5	ROW-55(10-15)-041323	Solid	04/13/23 13:10	04/13/23 18:02
500-232207-6	ROW-56(0-5)-041323	Solid	04/13/23 13:30	04/13/23 18:02
500-232207-7	ROW-56(0-5)-041323D	Solid	04/13/23 13:30	04/13/23 18:02
500-232207-8	ROW-62(0-5)-041323	Solid	04/13/23 13:50	04/13/23 18:02
500-232207-9	ROW-62(5-10)-041323	Solid	04/13/23 13:55	04/13/23 18:02
500-232207-10	ROW-62(10-15)-041323	Solid	04/13/23 14:00	04/13/23 18:02
500-232207-11	ROW-63(0-5)-041323	Solid	04/13/23 14:30	04/13/23 18:02
500-232207-12	ROW-64(0-5)-041323	Solid	04/13/23 14:50	04/13/23 18:02
500-232207-13	ROW-65(0-5)-041323	Solid	04/13/23 15:00	04/13/23 18:02
500-232207-14	ROW-65(5-10)-041323	Solid	04/13/23 15:05	04/13/23 18:02
500-232207-15	RC-6(0-5)-041323	Solid	04/13/23 15:45	04/13/23 18:02



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-53(10-15)-041323

Lab Sample ID: 500-232207-1

Date Collected: 04/13/23 12:20

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0080	J	0.018	0.0080	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Bromoform	<0.0018		0.0018	0.00054	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Carbon disulfide	<0.0046		0.0046	0.00096	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Chlorobenzene	<0.0018		0.0018	0.00068	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Chloroform	<0.0018		0.0018	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Chloromethane	<0.0046		0.0046	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
1,2-Dichloropropane	<0.0018		0.0018	0.00048	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00065	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0020	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Styrene	<0.0018		0.0018	0.00056	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Tetrachloroethene	<0.0018		0.0018	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00065	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00079	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	04/14/23 20:00	04/19/23 03:49	1
Dibromofluoromethane (Surr)	95		75 - 126	04/14/23 20:00	04/19/23 03:49	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 134	04/14/23 20:00	04/19/23 03:49	1
Toluene-d8 (Surr)	92		75 - 124	04/14/23 20:00	04/19/23 03:49	1

Method: SW846 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	✳	04/25/23 13:29	04/26/23 19:29	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-53(10-15)-041323

Lab Sample ID: 500-232207-1

Date Collected: 04/13/23 12:20

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.0

Method: SW846 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	✱	04/25/23 13:29	04/26/23 19:29	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
2-Methylnaphthalene	<0.076		0.076	0.0070	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
Hexachloroethane	<0.19	F1	0.19	0.057	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-53(10-15)-041323

Lab Sample ID: 500-232207-1

Date Collected: 04/13/23 12:20

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.0

Method: SW846 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	☼	04/25/23 13:29	04/26/23 19:29	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	49		31 - 143	04/25/23 13:29	04/26/23 19:29	1
2-Fluorobiphenyl (Surr)	71		43 - 145	04/25/23 13:29	04/26/23 19:29	1
2-Fluorophenol (Surr)	69		31 - 166	04/25/23 13:29	04/26/23 19:29	1
Nitrobenzene-d5 (Surr)	78		37 - 147	04/25/23 13:29	04/26/23 19:29	1
Phenol-d5 (Surr)	67		30 - 153	04/25/23 13:29	04/26/23 19:29	1
Terphenyl-d14 (Surr)	73		42 - 157	04/25/23 13:29	04/26/23 19:29	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 20:41	1
Barium	0.69		0.50	0.050	mg/L		04/18/23 17:10	04/19/23 20:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 20:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 20:41	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:41	1
Cobalt	0.011 J		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:41	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:41	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 20:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 20:41	1
Manganese	7.0		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:41	1
Nickel	0.011 J		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:41	1
Selenium	0.024 J		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 20:41	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:41	1
Zinc	<0.50		0.50	0.020	mg/L		04/18/23 17:10	04/19/23 20:41	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013 J		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 00:31	1
Barium	0.15 J		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 00:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 00:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 00:31	1
Chromium	0.037		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:31	1
Cobalt	0.016 J		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:31	1
Copper	0.038		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:31	1
Iron	38		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 00:31	1
Lead	0.013		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 00:31	1
Manganese	0.59		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:31	1
Nickel	0.039		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:31	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 00:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-53(10-15)-041323

Lab Sample ID: 500-232207-1

Date Collected: 04/13/23 12:20

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.0

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:31	1
Zinc	0.090	J	0.50	0.020	mg/L		04/18/23 17:11	04/25/23 00:31	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		11	4.5	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Antimony	0.38	J	1.1	0.22	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Arsenic	8.0		0.56	0.19	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Barium	59	B	0.56	0.063	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Beryllium	0.79	B	0.22	0.052	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Cadmium	0.16	B	0.11	0.020	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Calcium	53000	B	56	9.4	mg/Kg	☆	04/20/23 09:34	04/25/23 14:41	5
Chromium	15		0.56	0.28	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Cobalt	11		0.28	0.073	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Copper	20		0.56	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Iron	21000		11	5.8	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Lead	13		0.28	0.13	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Magnesium	23000		5.6	2.8	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Manganese	570		0.56	0.081	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Nickel	26		0.56	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Potassium	2000		28	9.9	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Silver	0.29		0.28	0.072	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Sodium	110		56	8.2	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Thallium	0.61		0.56	0.28	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Vanadium	22	B	0.28	0.066	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Zinc	61		1.1	0.49	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/18/23 15:10	04/19/23 09:47	1

Method: SW846 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		04/18/23 15:10	04/19/23 11:53	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.019	0.0098	mg/Kg	☆	04/21/23 15:35	04/24/23 07:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/17/23 19:34	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-54(0-5)-041323

Lab Sample ID: 500-232207-2

Date Collected: 04/13/23 12:40

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.013	J	0.019	0.0082	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Benzene	<0.0019		0.0019	0.00048	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Bromoform	<0.0019		0.0019	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Bromomethane	<0.0047		0.0047	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Carbon disulfide	<0.0047		0.0047	0.00098	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Carbon tetrachloride	<0.0019		0.0019	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Chlorobenzene	<0.0019		0.0019	0.00070	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Chloroethane	<0.0047		0.0047	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Chloroform	<0.0019		0.0019	0.00066	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Chloromethane	<0.0047		0.0047	0.0019	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00057	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Dibromochloromethane	<0.0019		0.0019	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
1,1-Dichloroethane	<0.0019		0.0019	0.00065	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
1,2-Dichloroethane	<0.0047		0.0047	0.0015	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
1,1-Dichloroethene	<0.0019		0.0019	0.00065	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
1,2-Dichloropropane	<0.0019		0.0019	0.00049	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00066	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Ethylbenzene	<0.0019		0.0019	0.00091	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Methylene Chloride	<0.0047		0.0047	0.0019	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Methyl Ethyl Ketone	<0.0047		0.0047	0.0021	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
methyl isobutyl ketone	<0.0047		0.0047	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00056	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Styrene	<0.0019		0.0019	0.00057	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00060	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Tetrachloroethene	<0.0019		0.0019	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Toluene	<0.0019		0.0019	0.00048	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00084	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00066	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00081	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Trichloroethene	<0.0019		0.0019	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Vinyl chloride	<0.0019		0.0019	0.00084	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1
Xylenes, Total	<0.0038		0.0038	0.00061	mg/Kg	✳	04/14/23 20:00	04/19/23 04:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		75 - 131	04/14/23 20:00	04/19/23 04:15	1
Dibromofluoromethane (Surr)	99		75 - 126	04/14/23 20:00	04/19/23 04:15	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	04/14/23 20:00	04/19/23 04:15	1
Toluene-d8 (Surr)	96		75 - 124	04/14/23 20:00	04/19/23 04:15	1

Method: SW846 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	✳	04/25/23 13:29	04/26/23 15:47	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/25/23 13:29	04/26/23 15:47	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 13:29	04/26/23 15:47	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/25/23 13:29	04/26/23 15:47	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/25/23 13:29	04/26/23 15:47	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-54(0-5)-041323

Lab Sample ID: 500-232207-2

Date Collected: 04/13/23 12:40

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.4

Method: SW846 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	✱	04/25/23 13:29	04/26/23 15:47	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.30	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Fluoranthene	0.0075	J	0.038	0.0070	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 15:47	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-54(0-5)-041323

Lab Sample ID: 500-232207-2

Date Collected: 04/13/23 12:40

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.4

Method: SW846 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	☼	04/25/23 13:29	04/26/23 15:47	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/25/23 13:29	04/26/23 15:47	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/25/23 13:29	04/26/23 15:47	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/25/23 13:29	04/26/23 15:47	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.046	mg/Kg	☼	04/25/23 13:29	04/26/23 15:47	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/25/23 13:29	04/26/23 15:47	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	04/25/23 13:29	04/26/23 15:47	1
Phenanthrene	0.011	J	0.038	0.0053	mg/Kg	☼	04/25/23 13:29	04/26/23 15:47	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/25/23 13:29	04/26/23 15:47	1
Pyrene	0.013	J	0.038	0.0075	mg/Kg	☼	04/25/23 13:29	04/26/23 15:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	61		31 - 143				04/25/23 13:29	04/26/23 15:47	1
2-Fluorobiphenyl (Surr)	84		43 - 145				04/25/23 13:29	04/26/23 15:47	1
2-Fluorophenol (Surr)	76		31 - 166				04/25/23 13:29	04/26/23 15:47	1
Nitrobenzene-d5 (Surr)	88		37 - 147				04/25/23 13:29	04/26/23 15:47	1
Phenol-d5 (Surr)	75		30 - 153				04/25/23 13:29	04/26/23 15:47	1
Terphenyl-d14 (Surr)	91		42 - 157				04/25/23 13:29	04/26/23 15:47	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 20:44	1
Barium	0.54		0.50	0.050	mg/L		04/18/23 17:10	04/19/23 20:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 20:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 20:44	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:44	1
Cobalt	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:44	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:44	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 20:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 20:44	1
Manganese	3.2		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:44	1
Nickel	0.010	J	0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:44	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 20:44	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:44	1
Zinc	<0.50		0.50	0.020	mg/L		04/18/23 17:10	04/19/23 20:44	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.080		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 00:35	1
Barium	0.72		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 00:35	1
Beryllium	0.0091		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 00:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 00:35	1
Chromium	0.18		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:35	1
Cobalt	0.084		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:35	1
Copper	0.20		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:35	1
Iron	200		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 00:35	1
Lead	0.095		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 00:35	1
Manganese	1.8		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:35	1
Nickel	0.25		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:35	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 00:35	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-54(0-5)-041323

Lab Sample ID: 500-232207-2

Date Collected: 04/13/23 12:40

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:35	1
Zinc	0.54		0.50	0.020	mg/L		04/18/23 17:11	04/25/23 00:35	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8200		11	4.6	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Antimony	0.31	J	1.1	0.22	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Arsenic	5.8		0.57	0.19	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Barium	43		2.8	0.32	mg/Kg	☆	04/20/23 09:34	04/25/23 14:44	5
Beryllium	0.65	B	0.23	0.053	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Cadmium	0.26	B	0.11	0.020	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Calcium	100000	B	57	9.6	mg/Kg	☆	04/20/23 09:34	04/25/23 14:44	5
Chromium	13		0.57	0.28	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Cobalt	8.7		0.28	0.074	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Copper	19		0.57	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Iron	20000	B	57	29	mg/Kg	☆	04/20/23 09:34	04/25/23 14:44	5
Lead	36		0.28	0.13	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Magnesium	54000	B	28	14	mg/Kg	☆	04/20/23 09:34	04/25/23 14:44	5
Manganese	360		0.57	0.082	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Nickel	23		0.57	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Potassium	1800		28	10	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Selenium	<0.57		0.57	0.33	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Silver	0.24	J	0.28	0.073	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Sodium	910		57	8.4	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Thallium	0.37	J	0.57	0.28	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Vanadium	20	B	0.28	0.067	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1
Zinc	62		1.1	0.50	mg/Kg	☆	04/20/23 09:34	04/24/23 21:44	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/18/23 15:10	04/19/23 09:49	1

Method: SW846 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		04/18/23 15:10	04/19/23 11:55	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.020	0.010	mg/Kg	☆	04/21/23 15:35	04/24/23 07:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.2	0.2	SU			04/17/23 19:39	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-55(0-5)-041323

Lab Sample ID: 500-232207-3

Date Collected: 04/13/23 13:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 82.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.017	J	0.018	0.0079	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
1,3-Dichloropropane, Total	<0.0018		0.0018	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 04:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	04/14/23 20:00	04/19/23 04:41	1
Dibromofluoromethane (Surr)	96		75 - 126	04/14/23 20:00	04/19/23 04:41	1
1,2-Dichloroethane-d4 (Surr)	88		70 - 134	04/14/23 20:00	04/19/23 04:41	1
Toluene-d8 (Surr)	92		75 - 124	04/14/23 20:00	04/19/23 04:41	1

Method: SW846 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	✳	04/25/23 13:29	04/26/23 13:43	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	✳	04/25/23 13:29	04/26/23 13:43	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 13:29	04/26/23 13:43	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/25/23 13:29	04/26/23 13:43	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	✳	04/25/23 13:29	04/26/23 13:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-55(0-5)-041323

Lab Sample ID: 500-232207-3

Date Collected: 04/13/23 13:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 82.6

Method: SW846 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	✱	04/25/23 13:29	04/26/23 13:43	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
2,4-Dinitrophenol	<0.77		0.77	0.68	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
2-Methylnaphthalene	<0.077		0.077	0.0071	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
4-Nitrophenol	<0.77		0.77	0.37	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Carbazole	<0.19		0.19	0.096	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 13:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-55(0-5)-041323

Lab Sample ID: 500-232207-3

Date Collected: 04/13/23 13:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 82.6

Method: SW846 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	☼	04/25/23 13:29	04/26/23 13:43	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/25/23 13:29	04/26/23 13:43	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/25/23 13:29	04/26/23 13:43	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	04/25/23 13:29	04/26/23 13:43	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	04/25/23 13:29	04/26/23 13:43	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/25/23 13:29	04/26/23 13:43	1
Pentachlorophenol	<0.77		0.77	0.62	mg/Kg	☼	04/25/23 13:29	04/26/23 13:43	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	04/25/23 13:29	04/26/23 13:43	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	04/25/23 13:29	04/26/23 13:43	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	04/25/23 13:29	04/26/23 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	50		31 - 143	04/25/23 13:29	04/26/23 13:43	1
2-Fluorobiphenyl (Surr)	64		43 - 145	04/25/23 13:29	04/26/23 13:43	1
2-Fluorophenol (Surr)	60		31 - 166	04/25/23 13:29	04/26/23 13:43	1
Nitrobenzene-d5 (Surr)	70		37 - 147	04/25/23 13:29	04/26/23 13:43	1
Phenol-d5 (Surr)	59		30 - 153	04/25/23 13:29	04/26/23 13:43	1
Terphenyl-d14 (Surr)	74		42 - 157	04/25/23 13:29	04/26/23 13:43	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 20:48	1
Barium	0.26	J	0.50	0.050	mg/L		04/18/23 17:10	04/19/23 20:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 20:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 20:48	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:48	1
Cobalt	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:48	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:48	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 20:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 20:48	1
Manganese	3.9		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:48	1
Nickel	0.013	J	0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:48	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 20:48	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:48	1
Zinc	0.024	J	0.50	0.020	mg/L		04/18/23 17:10	04/19/23 20:48	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 00:38	1
Barium	0.061	J	0.50	0.050	mg/L		04/18/23 17:11	04/25/23 00:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 00:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 00:38	1
Chromium	0.014	J	0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:38	1
Cobalt	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:38	1
Copper	0.013	J	0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:38	1
Iron	11		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 00:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 00:38	1
Manganese	0.12		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:38	1
Nickel	0.011	J	0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:38	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 00:38	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-55(0-5)-041323

Lab Sample ID: 500-232207-3

Date Collected: 04/13/23 13:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 82.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:38	1
Zinc	0.027	J	0.50	0.020	mg/L		04/18/23 17:11	04/25/23 00:38	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		11	4.6	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Antimony	0.27	J	1.1	0.22	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Arsenic	5.2		0.57	0.19	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Barium	83	B	0.57	0.064	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Beryllium	0.89	B	0.23	0.053	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Cadmium	0.17	B	0.11	0.020	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Calcium	30000		11	1.9	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Chromium	17		0.57	0.28	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Cobalt	9.5		0.28	0.074	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Copper	21		0.57	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Iron	19000		11	5.9	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Lead	14		0.28	0.13	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Magnesium	16000		5.7	2.8	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Manganese	250		0.57	0.082	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Nickel	28		0.57	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Potassium	1800		28	10	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Selenium	<0.57		0.57	0.33	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Silver	0.33		0.28	0.073	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Sodium	960		57	8.4	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Thallium	0.87		0.57	0.28	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Vanadium	25	B	0.28	0.067	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1
Zinc	67		1.1	0.50	mg/Kg	☆	04/20/23 09:34	04/24/23 21:47	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/18/23 15:10	04/19/23 09:56	1

Method: SW846 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		04/18/23 15:10	04/19/23 11:57	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.018	0.0094	mg/Kg	☆	04/21/23 15:35	04/24/23 07:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.2	0.2	SU			04/17/23 19:42	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-55(5-10)-041323

Lab Sample ID: 500-232207-4

Date Collected: 04/13/23 13:05

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0079	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
1,3-Dichloropropane, Total	<0.0018		0.0018	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 05:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	04/14/23 20:00	04/19/23 05:06	1
Dibromofluoromethane (Surr)	98		75 - 126	04/14/23 20:00	04/19/23 05:06	1
1,2-Dichloroethane-d4 (Surr)	88		70 - 134	04/14/23 20:00	04/19/23 05:06	1
Toluene-d8 (Surr)	89		75 - 124	04/14/23 20:00	04/19/23 05:06	1

Method: SW846 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	✳	04/25/23 13:29	04/26/23 14:08	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/25/23 13:29	04/26/23 14:08	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 13:29	04/26/23 14:08	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/25/23 13:29	04/26/23 14:08	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/25/23 13:29	04/26/23 14:08	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-55(5-10)-041323

Lab Sample ID: 500-232207-4

Date Collected: 04/13/23 13:05

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.7

Method: SW846 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	✱	04/25/23 13:29	04/26/23 14:08	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
2-Methylnaphthalene	<0.076		0.076	0.0070	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 14:08	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-55(5-10)-041323

Lab Sample ID: 500-232207-4

Date Collected: 04/13/23 13:05

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.7

Method: SW846 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	☼	04/25/23 13:29	04/26/23 14:08	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/25/23 13:29	04/26/23 14:08	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/25/23 13:29	04/26/23 14:08	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/25/23 13:29	04/26/23 14:08	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/25/23 13:29	04/26/23 14:08	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/25/23 13:29	04/26/23 14:08	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/25/23 13:29	04/26/23 14:08	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	04/25/23 13:29	04/26/23 14:08	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/25/23 13:29	04/26/23 14:08	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	04/25/23 13:29	04/26/23 14:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	60		31 - 143				04/25/23 13:29	04/26/23 14:08	1
2-Fluorobiphenyl (Surr)	79		43 - 145				04/25/23 13:29	04/26/23 14:08	1
2-Fluorophenol (Surr)	76		31 - 166				04/25/23 13:29	04/26/23 14:08	1
Nitrobenzene-d5 (Surr)	86		37 - 147				04/25/23 13:29	04/26/23 14:08	1
Phenol-d5 (Surr)	77		30 - 153				04/25/23 13:29	04/26/23 14:08	1
Terphenyl-d14 (Surr)	90		42 - 157				04/25/23 13:29	04/26/23 14:08	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 21:56	1
Barium	0.34	J	0.50	0.050	mg/L		04/18/23 17:10	04/19/23 21:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 21:56	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 21:56	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:56	1
Cobalt	0.029		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:56	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:56	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 21:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 21:56	1
Manganese	5.4		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:56	1
Nickel	0.041		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:56	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 21:56	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:56	1
Zinc	0.023	J	0.50	0.020	mg/L		04/18/23 17:10	04/19/23 21:56	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 00:42	1
Barium	<0.50		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 00:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 00:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 00:42	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:42	1
Cobalt	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:42	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:42	1
Iron	0.33	J	0.40	0.20	mg/L		04/18/23 17:11	04/25/23 00:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 00:42	1
Manganese	0.016	J	0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:42	1
Nickel	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:42	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 00:42	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-55(5-10)-041323

Lab Sample ID: 500-232207-4

Date Collected: 04/13/23 13:05

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:42	1
Zinc	<0.50		0.50	0.020	mg/L		04/18/23 17:11	04/25/23 00:42	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		11	4.5	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Antimony	0.36	J	1.1	0.21	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Arsenic	11		0.55	0.19	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Barium	71	B	0.55	0.063	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Beryllium	0.88	B	0.22	0.051	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Cadmium	0.25	B	0.11	0.020	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Calcium	57000	B	55	9.3	mg/Kg	☆	04/20/23 09:34	04/25/23 14:47	5
Chromium	17		0.55	0.27	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Cobalt	10		0.28	0.072	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Copper	20		0.55	0.15	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Iron	23000		11	5.7	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Lead	13		0.28	0.13	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Magnesium	21000		5.5	2.7	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Manganese	360		0.55	0.080	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Nickel	28		0.55	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Potassium	2400		28	9.7	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Selenium	<0.55		0.55	0.32	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Silver	0.37		0.28	0.071	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Sodium	230		55	8.1	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Thallium	0.59		0.55	0.27	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Vanadium	25	B	0.28	0.065	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1
Zinc	65		1.1	0.48	mg/Kg	☆	04/20/23 09:34	04/24/23 21:51	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/19/23 11:30	04/20/23 10:13	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:04	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.017	0.0092	mg/Kg	☆	04/21/23 15:35	04/24/23 07:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/17/23 19:44	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-55(10-15)-041323

Lab Sample ID: 500-232207-5

Date Collected: 04/13/23 13:10

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 85.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0083	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Carbon disulfide	<0.0048		0.0048	0.00099	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Carbon tetrachloride	<0.0019		0.0019	0.00055	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Chlorobenzene	<0.0019		0.0019	0.00070	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Chloroform	<0.0019		0.0019	0.00066	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00053	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Dibromochloromethane	<0.0019		0.0019	0.00062	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
1,1-Dichloroethane	<0.0019		0.0019	0.00065	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
1,2-Dichloropropane	<0.0019		0.0019	0.00049	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00067	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Ethylbenzene	<0.0019		0.0019	0.00091	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0021	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00056	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00061	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Tetrachloroethene	<0.0019		0.0019	0.00065	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Toluene	<0.0019		0.0019	0.00048	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00085	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00067	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00064	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00082	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Vinyl chloride	<0.0019		0.0019	0.00085	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1
Xylenes, Total	<0.0038		0.0038	0.00061	mg/Kg	✱	04/14/23 20:00	04/19/23 05:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	04/14/23 20:00	04/19/23 05:32	1
Dibromofluoromethane (Surr)	99		75 - 126	04/14/23 20:00	04/19/23 05:32	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	04/14/23 20:00	04/19/23 05:32	1
Toluene-d8 (Surr)	89		75 - 124	04/14/23 20:00	04/19/23 05:32	1

Method: SW846 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	✱	04/25/23 13:29	04/26/23 14:58	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-55(10-15)-041323

Lab Sample ID: 500-232207-5

Date Collected: 04/13/23 13:10

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 85.3

Method: SW846 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	✱	04/25/23 13:29	04/26/23 14:58	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Dibenzofuran	<0.20		0.20	0.045	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✱	04/25/23 13:29	04/26/23 14:58	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-55(10-15)-041323

Lab Sample ID: 500-232207-5

Date Collected: 04/13/23 13:10

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 85.3

Method: SW846 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	☼	04/25/23 13:29	04/26/23 14:58	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/25/23 13:29	04/26/23 14:58	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/25/23 13:29	04/26/23 14:58	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/25/23 13:29	04/26/23 14:58	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/25/23 13:29	04/26/23 14:58	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/25/23 13:29	04/26/23 14:58	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/25/23 13:29	04/26/23 14:58	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	04/25/23 13:29	04/26/23 14:58	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	04/25/23 13:29	04/26/23 14:58	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	04/25/23 13:29	04/26/23 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	61		31 - 143	04/25/23 13:29	04/26/23 14:58	1
2-Fluorobiphenyl (Surr)	76		43 - 145	04/25/23 13:29	04/26/23 14:58	1
2-Fluorophenol (Surr)	67		31 - 166	04/25/23 13:29	04/26/23 14:58	1
Nitrobenzene-d5 (Surr)	78		37 - 147	04/25/23 13:29	04/26/23 14:58	1
Phenol-d5 (Surr)	72		30 - 153	04/25/23 13:29	04/26/23 14:58	1
Terphenyl-d14 (Surr)	91		42 - 157	04/25/23 13:29	04/26/23 14:58	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		04/18/23 17:10	04/19/23 20:51	1
Barium	0.67		0.50	0.050	mg/L		04/18/23 17:10	04/19/23 20:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 20:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 20:51	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:51	1
Cobalt	0.011	J	0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:51	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:51	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 20:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 20:51	1
Manganese	4.8		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:51	1
Nickel	0.024	J	0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:51	1
Selenium	0.020	J	0.050	0.020	mg/L		04/18/23 17:10	04/19/23 20:51	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:51	1
Zinc	<0.50		0.50	0.020	mg/L		04/18/23 17:10	04/19/23 20:51	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 00:45	1
Barium	<0.50		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 00:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 00:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 00:45	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:45	1
Cobalt	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:45	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:45	1
Iron	1.4		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 00:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 00:45	1
Manganese	0.027		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:45	1
Nickel	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:45	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 00:45	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-55(10-15)-041323

Lab Sample ID: 500-232207-5

Date Collected: 04/13/23 13:10

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 85.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:45	1
Zinc	<0.50		0.50	0.020	mg/L		04/18/23 17:11	04/25/23 00:45	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		11	4.5	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Antimony	0.41	J	1.1	0.21	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Arsenic	6.3		0.55	0.19	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Barium	70	B	0.55	0.063	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Beryllium	0.86	B	0.22	0.051	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Cadmium	0.27	B	0.11	0.020	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Calcium	69000	B	55	9.3	mg/Kg	☆	04/20/23 09:34	04/25/23 14:50	5
Chromium	17		0.55	0.27	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Cobalt	9.4		0.27	0.072	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Copper	20		0.55	0.15	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Iron	19000		11	5.7	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Lead	11		0.27	0.13	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Magnesium	24000		5.5	2.7	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Manganese	390		0.55	0.080	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Nickel	29		0.55	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Potassium	2800		27	9.7	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Selenium	<0.55		0.55	0.32	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Silver	0.31		0.27	0.071	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Sodium	130		55	8.1	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Thallium	0.44	J	0.55	0.27	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Vanadium	21	B	0.27	0.065	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1
Zinc	59		1.1	0.48	mg/Kg	☆	04/20/23 09:34	04/24/23 21:54	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/18/23 15:10	04/19/23 09:58	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:06	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.018	0.0096	mg/Kg	☆	04/21/23 15:35	04/24/23 07:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.2	0.2	SU			04/17/23 19:47	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-56(0-5)-041323

Lab Sample ID: 500-232207-6

Date Collected: 04/13/23 13:30

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0082	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Benzene	<0.0019		0.0019	0.00048	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Bromoform	<0.0019		0.0019	0.00055	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Bromomethane	<0.0047		0.0047	0.0018	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Carbon disulfide	<0.0047		0.0047	0.00098	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Carbon tetrachloride	<0.0019		0.0019	0.00055	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Chlorobenzene	<0.0019		0.0019	0.00070	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Chloroethane	<0.0047		0.0047	0.0014	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Chloroform	<0.0019		0.0019	0.00065	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Chloromethane	<0.0047		0.0047	0.0019	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00053	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00057	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Dibromochloromethane	<0.0019		0.0019	0.00062	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
1,1-Dichloroethane	<0.0019		0.0019	0.00065	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
1,2-Dichloroethane	<0.0047		0.0047	0.0015	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
1,1-Dichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
1,2-Dichloropropane	<0.0019		0.0019	0.00049	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00066	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Ethylbenzene	<0.0019		0.0019	0.00090	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Methylene Chloride	<0.0047		0.0047	0.0019	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Methyl Ethyl Ketone	<0.0047		0.0047	0.0021	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
methyl isobutyl ketone	<0.0047		0.0047	0.0014	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Styrene	<0.0019		0.0019	0.00057	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00060	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Tetrachloroethene	<0.0019		0.0019	0.00064	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Toluene	<0.0019		0.0019	0.00048	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00084	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00066	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00063	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00081	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Trichloroethene	<0.0019		0.0019	0.00064	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Vinyl chloride	<0.0019		0.0019	0.00083	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1
Xylenes, Total	<0.0038		0.0038	0.00060	mg/Kg	☆	04/14/23 20:00	04/19/23 05:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		75 - 131	04/14/23 20:00	04/19/23 05:58	1
Dibromofluoromethane (Surr)	99		75 - 126	04/14/23 20:00	04/19/23 05:58	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	04/14/23 20:00	04/19/23 05:58	1
Toluene-d8 (Surr)	97		75 - 124	04/14/23 20:00	04/19/23 05:58	1

Method: SW846 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	☆	04/25/23 13:29	04/26/23 16:12	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	04/25/23 13:29	04/26/23 16:12	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	04/25/23 13:29	04/26/23 16:12	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☆	04/25/23 13:29	04/26/23 16:12	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☆	04/25/23 13:29	04/26/23 16:12	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-56(0-5)-041323

Lab Sample ID: 500-232207-6

Date Collected: 04/13/23 13:30

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.2

Method: SW846 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	✳	04/25/23 13:29	04/26/23 16:12	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Benzo[a]anthracene	0.027	J	0.040	0.0054	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Benzo[a]pyrene	0.024	J	0.040	0.0077	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Benzo[b]fluoranthene	0.038	J	0.040	0.0086	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Carbazole	<0.20		0.20	0.10	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Chrysene	0.033	J	0.040	0.011	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Fluoranthene	0.044		0.040	0.0074	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	✳	04/25/23 13:29	04/26/23 16:12	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-56(0-5)-041323

Lab Sample ID: 500-232207-6

Date Collected: 04/13/23 13:30

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.022	J	0.040	0.010	mg/Kg	☼	04/25/23 13:29	04/26/23 16:12	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	04/25/23 13:29	04/26/23 16:12	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	04/25/23 13:29	04/26/23 16:12	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	04/25/23 13:29	04/26/23 16:12	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	04/25/23 13:29	04/26/23 16:12	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/25/23 13:29	04/26/23 16:12	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	04/25/23 13:29	04/26/23 16:12	1
Phenanthrene	0.027	J	0.040	0.0056	mg/Kg	☼	04/25/23 13:29	04/26/23 16:12	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	04/25/23 13:29	04/26/23 16:12	1
Pyrene	0.052		0.040	0.0079	mg/Kg	☼	04/25/23 13:29	04/26/23 16:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	60		31 - 143				04/25/23 13:29	04/26/23 16:12	1
2-Fluorobiphenyl (Surr)	80		43 - 145				04/25/23 13:29	04/26/23 16:12	1
2-Fluorophenol (Surr)	70		31 - 166				04/25/23 13:29	04/26/23 16:12	1
Nitrobenzene-d5 (Surr)	80		37 - 147				04/25/23 13:29	04/26/23 16:12	1
Phenol-d5 (Surr)	72		30 - 153				04/25/23 13:29	04/26/23 16:12	1
Terphenyl-d14 (Surr)	83		42 - 157				04/25/23 13:29	04/26/23 16:12	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 22:00	1
Barium	0.77		0.50	0.050	mg/L		04/18/23 17:10	04/19/23 22:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 22:00	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 22:00	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:00	1
Cobalt	0.037		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:00	1
Copper	0.010	J	0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:00	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 22:00	1
Lead	0.0083		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 22:00	1
Manganese	8.4		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:00	1
Nickel	0.031		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:00	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 22:00	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:00	1
Zinc	0.027	J	0.50	0.020	mg/L		04/18/23 17:10	04/19/23 22:00	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.081		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 00:49	1
Barium	0.69		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 00:49	1
Beryllium	0.011		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 00:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 00:49	1
Chromium	0.21		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:49	1
Cobalt	0.11		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:49	1
Copper	0.22		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:49	1
Iron	210		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 00:49	1
Lead	0.11		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 00:49	1
Manganese	1.8		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:49	1
Nickel	0.30		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:49	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 00:49	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-56(0-5)-041323

Lab Sample ID: 500-232207-6

Date Collected: 04/13/23 13:30

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.2

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:49	1
Zinc	0.56		0.50	0.020	mg/L		04/18/23 17:11	04/25/23 00:49	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		11	4.6	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Antimony	0.41	J	1.1	0.22	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Arsenic	8.5		0.56	0.19	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Barium	58	B	0.56	0.064	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Beryllium	0.77	B	0.23	0.053	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Cadmium	0.18	B	0.11	0.020	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Calcium	66000	B	56	9.5	mg/Kg	☆	04/20/23 09:34	04/25/23 14:53	5
Chromium	15		0.56	0.28	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Cobalt	11		0.28	0.074	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Copper	20		0.56	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Iron	20000		11	5.9	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Lead	23		0.28	0.13	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Magnesium	28000		5.6	2.8	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Manganese	370		0.56	0.082	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Nickel	28		0.56	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Potassium	2500		28	10	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Silver	0.29		0.28	0.073	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Sodium	920		56	8.3	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Thallium	0.58		0.56	0.28	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Vanadium	20	B	0.28	0.066	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1
Zinc	60		1.1	0.49	mg/Kg	☆	04/20/23 09:34	04/24/23 21:58	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/19/23 11:30	04/20/23 10:15	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:08	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.019	0.010	mg/Kg	☆	04/21/23 15:35	04/24/23 07:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			04/17/23 19:49	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-56(0-5)-041323D

Lab Sample ID: 500-232207-7

Date Collected: 04/13/23 13:30

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.010	J	0.019	0.0081	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Benzene	<0.0019		0.0019	0.00047	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Bromoform	<0.0019		0.0019	0.00054	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Bromomethane	<0.0046		0.0046	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Carbon disulfide	<0.0046		0.0046	0.00097	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Chlorobenzene	<0.0019		0.0019	0.00069	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Chloroform	<0.0019		0.0019	0.00065	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Chloromethane	<0.0046		0.0046	0.0019	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00056	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
1,2-Dichloroethane	<0.0046		0.0046	0.0015	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
1,1-Dichloroethene	<0.0019		0.0019	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
1,2-Dichloropropane	<0.0019		0.0019	0.00048	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00065	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Ethylbenzene	<0.0019		0.0019	0.00089	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
2-Hexanone	<0.0046		0.0046	0.0015	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0021	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Styrene	<0.0019		0.0019	0.00056	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Tetrachloroethene	<0.0019		0.0019	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Toluene	<0.0019		0.0019	0.00047	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00082	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00065	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00080	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Vinyl chloride	<0.0019		0.0019	0.00082	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 06:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		75 - 131	04/14/23 20:00	04/19/23 06:23	1
Dibromofluoromethane (Surr)	96		75 - 126	04/14/23 20:00	04/19/23 06:23	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	04/14/23 20:00	04/19/23 06:23	1
Toluene-d8 (Surr)	100		75 - 124	04/14/23 20:00	04/19/23 06:23	1

Method: SW846 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	✳	04/25/23 13:29	04/26/23 16:37	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/25/23 13:29	04/26/23 16:37	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	✳	04/25/23 13:29	04/26/23 16:37	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	✳	04/25/23 13:29	04/26/23 16:37	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 13:29	04/26/23 16:37	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-56(0-5)-041323D

Lab Sample ID: 500-232207-7

Date Collected: 04/13/23 13:30

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.7

Method: SW846 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	☼	04/25/23 13:29	04/26/23 16:37	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
2-Methylnaphthalene	0.025	J	0.076	0.0069	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-56(0-5)-041323D

Lab Sample ID: 500-232207-7

Date Collected: 04/13/23 13:30

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.7

Method: SW846 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	☼	04/25/23 13:29	04/26/23 16:37	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Phenanthrene	0.034	J	0.037	0.0052	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Pyrene	0.014	J	0.037	0.0074	mg/Kg	☼	04/25/23 13:29	04/26/23 16:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	45		31 - 143				04/25/23 13:29	04/26/23 16:37	1
2-Fluorobiphenyl (Surr)	61		43 - 145				04/25/23 13:29	04/26/23 16:37	1
2-Fluorophenol (Surr)	58		31 - 166				04/25/23 13:29	04/26/23 16:37	1
Nitrobenzene-d5 (Surr)	68		37 - 147				04/25/23 13:29	04/26/23 16:37	1
Phenol-d5 (Surr)	58		30 - 153				04/25/23 13:29	04/26/23 16:37	1
Terphenyl-d14 (Surr)	70		42 - 157				04/25/23 13:29	04/26/23 16:37	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 22:03	1
Barium	0.79		0.50	0.050	mg/L		04/18/23 17:10	04/19/23 22:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 22:03	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 22:03	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:03	1
Cobalt	0.036		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:03	1
Copper	0.010	J	0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:03	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 22:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 22:03	1
Manganese	7.6		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:03	1
Nickel	0.033		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:03	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 22:03	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:03	1
Zinc	0.020	J	0.50	0.020	mg/L		04/18/23 17:10	04/19/23 22:03	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.061		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 00:52	1
Barium	0.76		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 00:52	1
Beryllium	0.012		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 00:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 00:52	1
Chromium	0.23		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:52	1
Cobalt	0.12		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:52	1
Copper	0.22		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:52	1
Iron	210		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 00:52	1
Lead	0.15		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 00:52	1
Manganese	2.3		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:52	1
Nickel	0.32		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:52	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 00:52	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-56(0-5)-041323D

Lab Sample ID: 500-232207-7

Date Collected: 04/13/23 13:30

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:52	1
Zinc	0.61		0.50	0.020	mg/L		04/18/23 17:11	04/25/23 00:52	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		11	4.5	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Antimony	0.32	J	1.1	0.21	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Arsenic	5.9		0.55	0.19	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Barium	52	B	0.55	0.062	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Beryllium	0.86	B	0.22	0.051	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Cadmium	0.18	B	0.11	0.020	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Calcium	69000	B	55	9.3	mg/Kg	☆	04/20/23 09:34	04/25/23 14:56	5
Chromium	17		0.55	0.27	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Cobalt	13		0.27	0.072	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Copper	22		0.55	0.15	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Iron	20000		11	5.7	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Lead	14		0.27	0.13	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Magnesium	28000		5.5	2.7	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Manganese	420		0.55	0.079	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Nickel	32		0.55	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Potassium	3200		27	9.7	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Selenium	<0.55		0.55	0.32	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Silver	0.35		0.27	0.070	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Sodium	820		55	8.1	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Thallium	0.66		0.55	0.27	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Vanadium	22	B	0.27	0.064	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1
Zinc	60		1.1	0.48	mg/Kg	☆	04/20/23 09:34	04/24/23 22:02	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/19/23 11:30	04/20/23 10:22	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:10	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.018	0.0095	mg/Kg	☆	04/21/23 15:35	04/24/23 07:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			04/17/23 19:52	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(0-5)-041323

Lab Sample ID: 500-232207-8

Date Collected: 04/13/23 13:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.015	J	0.018	0.0079	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Carbon disulfide	<0.0045		0.0045	0.00095	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	75 - 131	04/14/23 20:00	04/19/23 06:49	1
Dibromofluoromethane (Surr)	96		75 - 126	04/14/23 20:00	04/19/23 06:49	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	04/14/23 20:00	04/19/23 06:49	1
Toluene-d8 (Surr)	104		75 - 124	04/14/23 20:00	04/19/23 06:49	1

Method: SW846 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	✳	04/25/23 13:29	04/26/23 17:01	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	✳	04/25/23 13:29	04/26/23 17:01	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	✳	04/25/23 13:29	04/26/23 17:01	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	✳	04/25/23 13:29	04/26/23 17:01	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	✳	04/25/23 13:29	04/26/23 17:01	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(0-5)-041323

Lab Sample ID: 500-232207-8

Date Collected: 04/13/23 13:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.9

Method: SW846 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	✱	04/25/23 13:29	04/26/23 17:01	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Carbazole	<0.18		0.18	0.091	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(0-5)-041323

Lab Sample ID: 500-232207-8

Date Collected: 04/13/23 13:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.9

Method: SW846 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	☼	04/25/23 13:29	04/26/23 17:01	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Phenanthrene	0.022	J	0.036	0.0051	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	50		31 - 143	04/25/23 13:29	04/26/23 17:01	1
2-Fluorobiphenyl (Surr)	59		43 - 145	04/25/23 13:29	04/26/23 17:01	1
2-Fluorophenol (Surr)	53		31 - 166	04/25/23 13:29	04/26/23 17:01	1
Nitrobenzene-d5 (Surr)	63		37 - 147	04/25/23 13:29	04/26/23 17:01	1
Phenol-d5 (Surr)	54		30 - 153	04/25/23 13:29	04/26/23 17:01	1
Terphenyl-d14 (Surr)	74		42 - 157	04/25/23 13:29	04/26/23 17:01	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Barium	0.68		0.50	0.050	mg/L		04/18/23 17:10	04/19/23 20:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 20:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 20:54	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Cobalt	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 20:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 20:54	1
Manganese	4.8		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Nickel	0.017	J	0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 20:54	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Zinc	<0.50		0.50	0.020	mg/L		04/18/23 17:10	04/19/23 20:54	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.077		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Barium	0.90		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 00:56	1
Beryllium	0.0096		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 00:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 00:56	1
Chromium	0.20		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Cobalt	0.079		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Copper	0.23		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Iron	220		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 00:56	1
Lead	0.098		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 00:56	1
Manganese	1.5		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Nickel	0.25		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 00:56	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(0-5)-041323

Lab Sample ID: 500-232207-8

Date Collected: 04/13/23 13:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Zinc	0.65		0.50	0.020	mg/L		04/18/23 17:11	04/25/23 00:56	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		10	4.2	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Antimony	0.33	J	1.0	0.20	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Arsenic	8.7		0.52	0.18	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Barium	46	B	0.52	0.059	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Beryllium	0.76	B	0.21	0.048	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Cadmium	0.17	B	0.10	0.019	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Calcium	65000	B	52	8.8	mg/Kg	☆	04/20/23 09:34	04/25/23 15:00	5
Chromium	15		0.52	0.26	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Cobalt	12		0.26	0.068	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Copper	21		0.52	0.14	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Iron	19000		10	5.4	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Lead	12		0.26	0.12	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Magnesium	28000		5.2	2.6	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Manganese	370		0.52	0.075	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Nickel	29		0.52	0.15	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Potassium	2300		26	9.2	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Selenium	0.35	J	0.52	0.30	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Silver	0.28		0.26	0.067	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Sodium	860		52	7.7	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Thallium	0.67		0.52	0.26	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Vanadium	20	B	0.26	0.061	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Zinc	59		1.0	0.45	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/18/23 15:10	04/19/23 10:00	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:12	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.017	0.0090	mg/Kg	☆	04/21/23 15:35	04/24/23 07:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/17/23 19:54	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(5-10)-041323

Lab Sample ID: 500-232207-9

Date Collected: 04/13/23 13:55

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	J	0.018	0.0078	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	04/14/23 20:00	04/19/23 07:14	1
Dibromofluoromethane (Surr)	98		75 - 126	04/14/23 20:00	04/19/23 07:14	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	04/14/23 20:00	04/19/23 07:14	1
Toluene-d8 (Surr)	91		75 - 124	04/14/23 20:00	04/19/23 07:14	1

Method: SW846 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	✳	04/25/23 13:29	04/26/23 15:23	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	✳	04/25/23 13:29	04/26/23 15:23	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 13:29	04/26/23 15:23	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/25/23 13:29	04/26/23 15:23	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	✳	04/25/23 13:29	04/26/23 15:23	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(5-10)-041323

Lab Sample ID: 500-232207-9

Date Collected: 04/13/23 13:55

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.6

Method: SW846 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	✱	04/25/23 13:29	04/26/23 15:23	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Carbazole	<0.19		0.19	0.096	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Fluoranthene	0.0073	J	0.038	0.0071	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(5-10)-041323

Lab Sample ID: 500-232207-9

Date Collected: 04/13/23 13:55

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.6

Method: SW846 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	☼	04/25/23 13:29	04/26/23 15:23	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Pyrene	0.011	J	0.038	0.0076	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	33		31 - 143	04/25/23 13:29	04/26/23 15:23	1
2-Fluorobiphenyl (Surr)	38	S1-	43 - 145	04/25/23 13:29	04/26/23 15:23	1
2-Fluorophenol (Surr)	36		31 - 166	04/25/23 13:29	04/26/23 15:23	1
Nitrobenzene-d5 (Surr)	40		37 - 147	04/25/23 13:29	04/26/23 15:23	1
Phenol-d5 (Surr)	37		30 - 153	04/25/23 13:29	04/26/23 15:23	1
Terphenyl-d14 (Surr)	75		42 - 157	04/25/23 13:29	04/26/23 15:23	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Barium	0.62		0.50	0.050	mg/L		04/18/23 17:10	04/19/23 22:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 22:06	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 22:06	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Cobalt	0.041		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Iron	0.65		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 22:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 22:06	1
Manganese	8.0		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Nickel	0.039		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 22:06	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Zinc	0.056	J	0.50	0.020	mg/L		04/18/23 17:10	04/19/23 22:06	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.066		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Barium	0.96		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 00:59	1
Beryllium	0.0093		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 00:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 00:59	1
Chromium	0.19		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Cobalt	0.083		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Copper	0.19		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Iron	200		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 00:59	1
Lead	0.10		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 00:59	1
Manganese	2.1		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Nickel	0.23		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 00:59	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(5-10)-041323

Lab Sample ID: 500-232207-9

Date Collected: 04/13/23 13:55

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Zinc	0.65		0.50	0.020	mg/L		04/18/23 17:11	04/25/23 00:59	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15000		12	4.7	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Antimony	0.35	J	1.2	0.22	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Arsenic	6.2		0.58	0.20	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Barium	120	B	0.58	0.066	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Beryllium	0.87	B	0.23	0.054	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Cadmium	0.21	B	0.12	0.021	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Calcium	17000		12	2.0	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Chromium	17		0.58	0.28	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Cobalt	7.6		0.29	0.075	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Copper	17		0.58	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Iron	20000		12	6.0	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Lead	18		0.29	0.13	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Magnesium	11000		5.8	2.9	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Manganese	230		0.58	0.083	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Nickel	21		0.58	0.17	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Potassium	1400		29	10	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Silver	0.39		0.29	0.074	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Sodium	1300		58	8.5	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Thallium	0.61		0.58	0.29	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Vanadium	30	B	0.29	0.068	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Zinc	67		1.2	0.51	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/19/23 11:30	04/20/23 10:24	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:14	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0097	mg/Kg	☆	04/21/23 15:35	04/24/23 07:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/17/23 19:57	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(10-15)-041323

Lab Sample ID: 500-232207-10

Date Collected: 04/13/23 14:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0063	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Benzene	<0.0015		0.0015	0.00037	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Bromoform	<0.0015		0.0015	0.00042	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Bromomethane	<0.0036		0.0036	0.0014	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Carbon disulfide	<0.0036		0.0036	0.00075	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Carbon tetrachloride	<0.0015		0.0015	0.00042	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Chlorobenzene	<0.0015		0.0015	0.00054	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Chloroform	<0.0015		0.0015	0.00050	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Chloromethane	<0.0036		0.0036	0.0015	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00044	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Dibromochloromethane	<0.0015		0.0015	0.00047	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,1-Dichloroethane	<0.0015		0.0015	0.00050	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,1-Dichloroethene	<0.0015		0.0015	0.00050	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,2-Dichloropropane	<0.0015		0.0015	0.00037	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00051	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Ethylbenzene	<0.0015		0.0015	0.00069	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Styrene	<0.0015		0.0015	0.00044	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00046	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Tetrachloroethene	<0.0015		0.0015	0.00049	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Toluene	0.00099	J	0.0015	0.00037	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00064	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00049	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00062	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Trichloroethene	<0.0015		0.0015	0.00049	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Vinyl chloride	<0.0015		0.0015	0.00064	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Xylenes, Total	<0.0029		0.0029	0.00046	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		75 - 131	04/14/23 20:00	04/20/23 12:19	1
Dibromofluoromethane (Surr)	101		75 - 126	04/14/23 20:00	04/20/23 12:19	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	04/14/23 20:00	04/20/23 12:19	1
Toluene-d8 (Surr)	92		75 - 124	04/14/23 20:00	04/20/23 12:19	1

Method: SW846 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	✳	04/25/23 13:29	04/26/23 19:05	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	04/25/23 13:29	04/26/23 19:05	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✳	04/25/23 13:29	04/26/23 19:05	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✳	04/25/23 13:29	04/26/23 19:05	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	✳	04/25/23 13:29	04/26/23 19:05	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(10-15)-041323

Lab Sample ID: 500-232207-10

Date Collected: 04/13/23 14:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.8

Method: SW846 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	✱	04/25/23 13:29	04/26/23 19:05	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Carbazole	<0.20		0.20	0.098	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(10-15)-041323

Lab Sample ID: 500-232207-10

Date Collected: 04/13/23 14:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.8

Method: SW846 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	☼	04/25/23 13:29	04/26/23 19:05	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Phenanthrene	0.032	J	0.039	0.0055	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	43		31 - 143	04/25/23 13:29	04/26/23 19:05	1
2-Fluorobiphenyl (Surr)	66		43 - 145	04/25/23 13:29	04/26/23 19:05	1
2-Fluorophenol (Surr)	59		31 - 166	04/25/23 13:29	04/26/23 19:05	1
Nitrobenzene-d5 (Surr)	69		37 - 147	04/25/23 13:29	04/26/23 19:05	1
Phenol-d5 (Surr)	60		30 - 153	04/25/23 13:29	04/26/23 19:05	1
Terphenyl-d14 (Surr)	84		42 - 157	04/25/23 13:29	04/26/23 19:05	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Barium	0.40	J	0.50	0.050	mg/L		04/18/23 17:10	04/19/23 22:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 22:10	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 22:10	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Cobalt	0.046		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Iron	0.64		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 22:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 22:10	1
Manganese	5.5		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Nickel	0.040		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 22:10	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Zinc	0.027	J	0.50	0.020	mg/L		04/18/23 17:10	04/19/23 22:10	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.024	J	0.050	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Barium	0.17	J	0.50	0.050	mg/L		04/18/23 17:11	04/25/23 01:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 01:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 01:03	1
Chromium	0.060		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Cobalt	0.033		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Copper	0.065		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Iron	57		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 01:03	1
Lead	0.027		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 01:03	1
Manganese	0.45		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Nickel	0.074		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 01:03	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(10-15)-041323

Lab Sample ID: 500-232207-10

Date Collected: 04/13/23 14:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Zinc	0.15	J	0.50	0.020	mg/L		04/18/23 17:11	04/25/23 01:03	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		12	4.7	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Antimony	0.39	J	1.2	0.22	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Arsenic	5.6		0.58	0.20	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Barium	87	B	0.58	0.066	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Beryllium	0.87	B	0.23	0.054	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Cadmium	0.13	B	0.12	0.021	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Calcium	51000	B	58	9.8	mg/Kg	☆	04/20/23 09:34	04/25/23 15:03	5
Chromium	17		0.58	0.28	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Cobalt	12		0.29	0.075	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Copper	20		0.58	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Iron	19000		12	6.0	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Lead	13		0.29	0.13	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Magnesium	27000		5.8	2.9	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Manganese	400		0.58	0.083	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Nickel	29		0.58	0.17	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Potassium	3300		29	10	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Silver	0.26	J	0.29	0.074	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Sodium	520		58	8.5	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Thallium	0.73		0.58	0.29	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Vanadium	23	B	0.29	0.068	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Zinc	54		1.2	0.51	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/19/23 11:30	04/20/23 10:26	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:16	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.019	0.010	mg/Kg	☆	04/21/23 15:35	04/24/23 07:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.2	0.2	SU			04/17/23 19:59	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-63(0-5)-041323

Lab Sample ID: 500-232207-11

Date Collected: 04/13/23 14:30

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 81.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.033		0.016	0.0069	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
cis-1,2-Dichloroethene	0.0046		0.0016	0.00044	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Methyl Ethyl Ketone	0.0069		0.0040	0.0018	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Vinyl chloride	0.0055		0.0016	0.00070	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	✳	04/14/23 20:00	04/18/23 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	04/14/23 20:00	04/18/23 23:52	1
Dibromofluoromethane (Surr)	101		75 - 126	04/14/23 20:00	04/18/23 23:52	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	04/14/23 20:00	04/18/23 23:52	1
Toluene-d8 (Surr)	102		75 - 124	04/14/23 20:00	04/18/23 23:52	1

Method: SW846 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	✳	04/25/23 13:29	04/26/23 17:26	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-63(0-5)-041323

Lab Sample ID: 500-232207-11

Date Collected: 04/13/23 14:30

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 81.0

Method: SW846 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	✳	04/25/23 13:29	04/26/23 17:26	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Benzo[a]anthracene	0.017	J	0.040	0.0054	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Benzo[a]pyrene	0.016	J	0.040	0.0077	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Benzo[b]fluoranthene	0.023	J	0.040	0.0086	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Carbazole	<0.20		0.20	0.10	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Chrysene	0.014	J	0.040	0.011	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Fluoranthene	0.021	J	0.040	0.0074	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	✳	04/25/23 13:29	04/26/23 17:26	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-63(0-5)-041323

Lab Sample ID: 500-232207-11

Date Collected: 04/13/23 14:30

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 81.0

Method: SW846 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	☼	04/25/23 13:29	04/26/23 17:26	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	04/25/23 13:29	04/26/23 17:26	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	04/25/23 13:29	04/26/23 17:26	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	04/25/23 13:29	04/26/23 17:26	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	04/25/23 13:29	04/26/23 17:26	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/25/23 13:29	04/26/23 17:26	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	04/25/23 13:29	04/26/23 17:26	1
Phenanthrene	0.0099	J	0.040	0.0056	mg/Kg	☼	04/25/23 13:29	04/26/23 17:26	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	04/25/23 13:29	04/26/23 17:26	1
Pyrene	0.020	J	0.040	0.0079	mg/Kg	☼	04/25/23 13:29	04/26/23 17:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	54		31 - 143				04/25/23 13:29	04/26/23 17:26	1
2-Fluorobiphenyl (Surr)	57		43 - 145				04/25/23 13:29	04/26/23 17:26	1
2-Fluorophenol (Surr)	55		31 - 166				04/25/23 13:29	04/26/23 17:26	1
Nitrobenzene-d5 (Surr)	61		37 - 147				04/25/23 13:29	04/26/23 17:26	1
Phenol-d5 (Surr)	57		30 - 153				04/25/23 13:29	04/26/23 17:26	1
Terphenyl-d14 (Surr)	92		42 - 157				04/25/23 13:29	04/26/23 17:26	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 20:58	1
Barium	0.91		0.50	0.050	mg/L		04/18/23 17:10	04/19/23 20:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 20:58	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 20:58	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:58	1
Cobalt	0.051		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:58	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:58	1
Iron	13		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 20:58	1
Lead	0.019		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 20:58	1
Manganese	20		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:58	1
Nickel	0.035		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:58	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 20:58	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:58	1
Zinc	0.15	J	0.50	0.020	mg/L		04/18/23 17:10	04/19/23 20:58	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.042	J	0.050	0.010	mg/L		04/18/23 17:11	04/25/23 01:17	1
Barium	0.68		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 01:17	1
Beryllium	0.0056		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 01:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 01:17	1
Chromium	0.13		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:17	1
Cobalt	0.045		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:17	1
Copper	0.13		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:17	1
Iron	130		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 01:17	1
Lead	0.17		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 01:17	1
Manganese	1.4		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:17	1
Nickel	0.12		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:17	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 01:17	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-63(0-5)-041323

Lab Sample ID: 500-232207-11

Date Collected: 04/13/23 14:30

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 81.0

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:17	1
Zinc	0.45	J	0.50	0.020	mg/L		04/18/23 17:11	04/25/23 01:17	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8600		12	4.9	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Antimony	0.23	J	1.2	0.23	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Arsenic	4.9		0.60	0.21	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Barium	75	B	0.60	0.069	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Beryllium	0.50	B	0.24	0.056	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Cadmium	0.31	B	0.12	0.022	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Calcium	4900		12	2.0	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Chromium	13		0.60	0.30	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Cobalt	7.1		0.30	0.079	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Copper	14		0.60	0.17	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Iron	10000		12	6.3	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Lead	48		0.30	0.14	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Magnesium	3600		6.0	3.0	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Manganese	120		0.60	0.088	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Nickel	12		0.60	0.18	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Potassium	1000		30	11	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Selenium	<0.60		0.60	0.36	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Silver	0.23	J	0.30	0.078	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Sodium	650		60	8.9	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Thallium	0.47	J	0.60	0.30	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Vanadium	20	B	0.30	0.071	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1
Zinc	74		1.2	0.53	mg/Kg	☆	04/20/23 09:34	04/24/23 22:23	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/18/23 15:10	04/19/23 10:02	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:18	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.019	0.010	mg/Kg	☆	04/21/23 15:35	04/24/23 07:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	6.9		0.2	0.2	SU			04/17/23 20:02	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-64(0-5)-041323

Lab Sample ID: 500-232207-12

Date Collected: 04/13/23 14:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 81.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0074	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Chloroethane	<0.0042		0.0042	0.0013	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	✱	04/14/23 20:00	04/19/23 00:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		75 - 131	04/14/23 20:00	04/19/23 00:15	1
Dibromofluoromethane (Surr)	105		75 - 126	04/14/23 20:00	04/19/23 00:15	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	04/14/23 20:00	04/19/23 00:15	1
Toluene-d8 (Surr)	99		75 - 124	04/14/23 20:00	04/19/23 00:15	1

Method: SW846 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	✱	04/25/23 13:29	04/26/23 13:19	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-64(0-5)-041323

Lab Sample ID: 500-232207-12

Date Collected: 04/13/23 14:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 81.3

Method: SW846 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	✱	04/25/23 13:29	04/26/23 13:19	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Dibenzofuran	<0.20		0.20	0.045	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✱	04/25/23 13:29	04/26/23 13:19	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-64(0-5)-041323

Lab Sample ID: 500-232207-12

Date Collected: 04/13/23 14:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 81.3

Method: SW846 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	☼	04/25/23 13:29	04/26/23 13:19	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/25/23 13:29	04/26/23 13:19	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/25/23 13:29	04/26/23 13:19	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/25/23 13:29	04/26/23 13:19	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/25/23 13:29	04/26/23 13:19	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/25/23 13:29	04/26/23 13:19	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/25/23 13:29	04/26/23 13:19	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	04/25/23 13:29	04/26/23 13:19	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	04/25/23 13:29	04/26/23 13:19	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	04/25/23 13:29	04/26/23 13:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	62		31 - 143				04/25/23 13:29	04/26/23 13:19	1
2-Fluorobiphenyl (Surr)	77		43 - 145				04/25/23 13:29	04/26/23 13:19	1
2-Fluorophenol (Surr)	73		31 - 166				04/25/23 13:29	04/26/23 13:19	1
Nitrobenzene-d5 (Surr)	85		37 - 147				04/25/23 13:29	04/26/23 13:19	1
Phenol-d5 (Surr)	73		30 - 153				04/25/23 13:29	04/26/23 13:19	1
Terphenyl-d14 (Surr)	96		42 - 157				04/25/23 13:29	04/26/23 13:19	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 21:01	1
Barium	0.24	J	0.50	0.050	mg/L		04/18/23 17:10	04/19/23 21:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 21:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 21:01	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:01	1
Cobalt	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:01	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:01	1
Iron	0.20	J	0.40	0.20	mg/L		04/18/23 17:10	04/19/23 21:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 21:01	1
Manganese	0.13		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:01	1
Nickel	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:01	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 21:01	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:01	1
Zinc	0.055	J	0.50	0.020	mg/L		04/18/23 17:10	04/19/23 21:01	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.086		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 01:20	1
Barium	0.65		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 01:20	1
Beryllium	0.0099		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 01:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 01:20	1
Chromium	0.18		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:20	1
Cobalt	0.052		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:20	1
Copper	0.17		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:20	1
Iron	250		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 01:20	1
Lead	0.10		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 01:20	1
Manganese	1.4		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:20	1
Nickel	0.16		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:20	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 01:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-64(0-5)-041323

Lab Sample ID: 500-232207-12

Date Collected: 04/13/23 14:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 81.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:20	1
Zinc	0.64		0.50	0.020	mg/L		04/18/23 17:11	04/25/23 01:20	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15000		12	4.7	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Antimony	0.51	J	1.2	0.23	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Arsenic	9.7		0.58	0.20	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Barium	72	B	0.58	0.066	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Beryllium	1.0	B	0.23	0.054	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Cadmium	0.14	B	0.12	0.021	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Calcium	3200		12	2.0	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Chromium	18		0.58	0.29	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Cobalt	13		0.29	0.076	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Copper	20		0.58	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Iron	27000		12	6.0	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Lead	17		0.29	0.13	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Magnesium	3400		5.8	2.9	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Manganese	410		0.58	0.084	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Nickel	27		0.58	0.17	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Potassium	840		29	10	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Silver	0.44		0.29	0.075	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Sodium	1500		58	8.6	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Thallium	0.61		0.58	0.29	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Vanadium	30	B	0.29	0.068	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1
Zinc	79		1.2	0.51	mg/Kg	☆	04/20/23 09:34	04/24/23 22:26	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/18/23 15:10	04/19/23 10:04	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:21	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.051		0.019	0.010	mg/Kg	☆	04/21/23 15:35	04/24/23 08:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.2	0.2	SU			04/19/23 15:39	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-65(0-5)-041323

Lab Sample ID: 500-232207-13

Date Collected: 04/13/23 15:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 91.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.013		0.013	0.0057	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Benzene	<0.0013		0.0013	0.00033	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Bromodichloromethane	<0.0013		0.0013	0.00026	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Bromoform	<0.0013		0.0013	0.00038	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Bromomethane	<0.0032		0.0032	0.0012	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Carbon disulfide	<0.0032		0.0032	0.00068	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Carbon tetrachloride	<0.0013		0.0013	0.00038	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Chlorobenzene	<0.0013		0.0013	0.00048	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Chloroethane	<0.0032		0.0032	0.00096	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Chloroform	<0.0013		0.0013	0.00045	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Chloromethane	<0.0032		0.0032	0.0013	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
cis-1,2-Dichloroethene	<0.0013		0.0013	0.00036	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
cis-1,3-Dichloropropene	<0.0013		0.0013	0.00039	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Dibromochloromethane	<0.0013		0.0013	0.00042	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
1,1-Dichloroethane	<0.0013		0.0013	0.00044	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
1,2-Dichloroethane	<0.0032		0.0032	0.0010	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
1,1-Dichloroethene	<0.0013		0.0013	0.00045	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
1,2-Dichloropropane	<0.0013		0.0013	0.00034	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
1,3-Dichloropropene, Total	<0.0013		0.0013	0.00046	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Ethylbenzene	<0.0013		0.0013	0.00062	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
2-Hexanone	<0.0032		0.0032	0.0010	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Methylene Chloride	<0.0032		0.0032	0.0013	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Methyl Ethyl Ketone	<0.0032		0.0032	0.0014	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
methyl isobutyl ketone	<0.0032		0.0032	0.00096	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Methyl tert-butyl ether	<0.0013		0.0013	0.00038	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Styrene	<0.0013		0.0013	0.00039	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
1,1,2,2-Tetrachloroethane	<0.0013		0.0013	0.00042	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Tetrachloroethene	<0.0013		0.0013	0.00044	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Toluene	0.0012 J		0.0013	0.00033	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
trans-1,2-Dichloroethene	<0.0013		0.0013	0.00058	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
trans-1,3-Dichloropropene	<0.0013		0.0013	0.00046	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
1,1,1-Trichloroethane	<0.0013		0.0013	0.00044	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
1,1,2-Trichloroethane	<0.0013		0.0013	0.00056	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Trichloroethene	<0.0013		0.0013	0.00044	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Vinyl chloride	<0.0013		0.0013	0.00057	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1
Xylenes, Total	<0.0026		0.0026	0.00042	mg/Kg	✳	04/14/23 20:00	04/20/23 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		75 - 131	04/14/23 20:00	04/20/23 12:45	1
Dibromofluoromethane (Surr)	95		75 - 126	04/14/23 20:00	04/20/23 12:45	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	04/14/23 20:00	04/20/23 12:45	1
Toluene-d8 (Surr)	98		75 - 124	04/14/23 20:00	04/20/23 12:45	1

Method: SW846 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	✳	04/25/23 13:29	04/26/23 18:40	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.041	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-65(0-5)-041323

Lab Sample ID: 500-232207-13

Date Collected: 04/13/23 15:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 91.8

Method: SW846 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	0.082	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
2,4-Dichlorophenol	<0.36		0.36	0.085	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
2,4-Dinitrophenol	<0.72		0.72	0.63	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
2,6-Dinitrotoluene	<0.18		0.18	0.070	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
2-Chloronaphthalene	<0.18		0.18	0.039	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
2-Methylnaphthalene	<0.072		0.072	0.0066	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
2-Methylphenol	<0.18		0.18	0.057	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
2-Nitrophenol	<0.36		0.36	0.084	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
4,6-Dinitro-2-methylphenol	<0.72		0.72	0.29	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
4-Chloroaniline	<0.72		0.72	0.17	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
4-Nitrophenol	<0.72		0.72	0.34	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Acenaphthene	<0.036		0.036	0.0064	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Acenaphthylene	<0.036		0.036	0.0047	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Benzo[a]anthracene	0.029	J	0.036	0.0048	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Benzo[a]pyrene	0.024	J	0.036	0.0069	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Benzo[b]fluoranthene	0.032	J	0.036	0.0077	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Benzo[g,h,i]perylene	0.036		0.036	0.012	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.036	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.065	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Butyl benzyl phthalate	<0.18		0.18	0.068	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Carbazole	<0.18		0.18	0.089	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Chrysene	0.022	J	0.036	0.0097	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0069	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Di-n-butyl phthalate	<0.18		0.18	0.054	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Di-n-octyl phthalate	<0.18		0.18	0.058	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Fluoranthene	0.034	J	0.036	0.0066	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Fluorene	<0.036		0.036	0.0050	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Hexachlorobenzene	<0.072		0.072	0.0083	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Hexachlorocyclopentadiene	<0.72		0.72	0.21	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1
Hexachloroethane	<0.18		0.18	0.054	mg/Kg	✳	04/25/23 13:29	04/26/23 18:40	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-65(0-5)-041323

Lab Sample ID: 500-232207-13

Date Collected: 04/13/23 15:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 91.8

Method: SW846 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	0.0093	mg/Kg	☼	04/25/23 13:29	04/26/23 18:40	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	04/25/23 13:29	04/26/23 18:40	1
Naphthalene	<0.036		0.036	0.0055	mg/Kg	☼	04/25/23 13:29	04/26/23 18:40	1
Nitrobenzene	<0.036		0.036	0.0089	mg/Kg	☼	04/25/23 13:29	04/26/23 18:40	1
N-Nitrosodi-n-propylamine	<0.072		0.072	0.044	mg/Kg	☼	04/25/23 13:29	04/26/23 18:40	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	04/25/23 13:29	04/26/23 18:40	1
Pentachlorophenol	<0.72		0.72	0.57	mg/Kg	☼	04/25/23 13:29	04/26/23 18:40	1
Phenanthrene	0.018	J	0.036	0.0050	mg/Kg	☼	04/25/23 13:29	04/26/23 18:40	1
Phenol	<0.18		0.18	0.079	mg/Kg	☼	04/25/23 13:29	04/26/23 18:40	1
Pyrene	0.035	J	0.036	0.0071	mg/Kg	☼	04/25/23 13:29	04/26/23 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	53		31 - 143				04/25/23 13:29	04/26/23 18:40	1
2-Fluorobiphenyl (Surr)	63		43 - 145				04/25/23 13:29	04/26/23 18:40	1
2-Fluorophenol (Surr)	51		31 - 166				04/25/23 13:29	04/26/23 18:40	1
Nitrobenzene-d5 (Surr)	58		37 - 147				04/25/23 13:29	04/26/23 18:40	1
Phenol-d5 (Surr)	55		30 - 153				04/25/23 13:29	04/26/23 18:40	1
Terphenyl-d14 (Surr)	85		42 - 157				04/25/23 13:29	04/26/23 18:40	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 21:04	1
Barium	0.34	J	0.50	0.050	mg/L		04/18/23 17:10	04/19/23 21:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 21:04	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 21:04	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:04	1
Cobalt	0.011	J	0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:04	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:04	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 21:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 21:04	1
Manganese	2.4		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:04	1
Nickel	0.031		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:04	1
Selenium	0.021	J	0.050	0.020	mg/L		04/18/23 17:10	04/19/23 21:04	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:04	1
Zinc	0.12	J	0.50	0.020	mg/L		04/18/23 17:10	04/19/23 21:04	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 01:24	1
Barium	<0.50		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 01:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 01:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 01:24	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:24	1
Cobalt	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:24	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:24	1
Iron	0.46		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 01:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 01:24	1
Manganese	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:24	1
Nickel	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:24	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 01:24	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-65(0-5)-041323

Lab Sample ID: 500-232207-13

Date Collected: 04/13/23 15:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 91.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:24	1
Zinc	<0.50		0.50	0.020	mg/L		04/18/23 17:11	04/25/23 01:24	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2500		10	4.1	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Antimony	0.21	J	1.0	0.19	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Arsenic	3.8		0.50	0.17	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Barium	10		2.5	0.29	mg/Kg	☆	04/20/23 09:34	04/25/23 15:06	5
Beryllium	0.27	B	0.20	0.047	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Cadmium	0.14	B	0.10	0.018	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Calcium	140000	B	50	8.5	mg/Kg	☆	04/20/23 09:34	04/25/23 15:06	5
Chromium	4.8		0.50	0.25	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Cobalt	3.8		0.25	0.066	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Copper	9.7		0.50	0.14	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Iron	8700	B	50	26	mg/Kg	☆	04/20/23 09:34	04/25/23 15:06	5
Lead	5.3		0.25	0.12	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Magnesium	86000	B	25	12	mg/Kg	☆	04/20/23 09:34	04/25/23 15:06	5
Manganese	270		0.50	0.073	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Nickel	8.3		0.50	0.15	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Potassium	950		25	8.9	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Selenium	<0.50		0.50	0.29	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Silver	<0.25		0.25	0.065	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Sodium	350		50	7.4	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Thallium	<0.50		0.50	0.25	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Vanadium	8.3	B	0.25	0.059	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1
Zinc	29		1.0	0.44	mg/Kg	☆	04/20/23 09:34	04/24/23 22:30	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/18/23 15:10	04/19/23 10:06	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:23	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0097	J	0.016	0.0086	mg/Kg	☆	04/21/23 15:35	04/24/23 08:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7		0.2	0.2	SU			04/18/23 12:22	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-65(5-10)-041323

Lab Sample ID: 500-232207-14

Date Collected: 04/13/23 15:05

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 88.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.010	J	0.015	0.0064	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Benzene	<0.0015		0.0015	0.00037	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Carbon disulfide	<0.0037		0.0037	0.00076	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Carbon tetrachloride	<0.0015		0.0015	0.00042	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Chlorobenzene	<0.0015		0.0015	0.00054	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00044	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
1,1-Dichloroethane	<0.0015		0.0015	0.00050	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
1,2-Dichloroethane	<0.0037		0.0037	0.0011	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
1,1-Dichloroethene	<0.0015		0.0015	0.00050	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00051	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Ethylbenzene	<0.0015		0.0015	0.00070	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
2-Hexanone	<0.0037		0.0037	0.0011	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Methylene Chloride	<0.0037		0.0037	0.0014	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0016	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Styrene	<0.0015		0.0015	0.00044	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Toluene	0.00099	J	0.0015	0.00037	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00065	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00049	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Trichloroethene	<0.0015		0.0015	0.00049	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Vinyl chloride	<0.0015		0.0015	0.00065	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1
Xylenes, Total	<0.0029		0.0029	0.00047	mg/Kg	✳	04/14/23 20:00	04/20/23 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		75 - 131	04/14/23 20:00	04/20/23 13:10	1
Dibromofluoromethane (Surr)	93		75 - 126	04/14/23 20:00	04/20/23 13:10	1
1,2-Dichloroethane-d4 (Surr)	88		70 - 134	04/14/23 20:00	04/20/23 13:10	1
Toluene-d8 (Surr)	97		75 - 124	04/14/23 20:00	04/20/23 13:10	1

Method: SW846 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	✳	04/25/23 13:29	04/26/23 18:15	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
1,3-Dichlorobenzene	<0.19		0.19	0.041	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-65(5-10)-041323

Lab Sample ID: 500-232207-14

Date Collected: 04/13/23 15:05

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 88.2

Method: SW846 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	0.084	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
2,4-Dichlorophenol	<0.37		0.37	0.087	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
2,6-Dinitrotoluene	<0.19		0.19	0.072	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
2-Methylnaphthalene	<0.074		0.074	0.0068	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
3 & 4 Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Anthracene	0.017	J	0.037	0.0062	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Benzo[a]anthracene	0.16		0.037	0.0050	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Benzo[a]pyrene	0.22		0.037	0.0071	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Benzo[b]fluoranthene	0.20		0.037	0.0079	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Benzo[g,h,i]perylene	0.17		0.037	0.012	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Benzo[k]fluoranthene	0.060		0.037	0.011	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.067	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Carbazole	<0.19		0.19	0.092	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Chrysene	0.29		0.037	0.010	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0071	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Diethyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Fluoranthene	0.19		0.037	0.0068	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	✳	04/25/23 13:29	04/26/23 18:15	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-65(5-10)-041323

Lab Sample ID: 500-232207-14

Date Collected: 04/13/23 15:05

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 88.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.12		0.037	0.0095	mg/Kg	☼	04/25/23 13:29	04/26/23 18:15	1
Isophorone	<0.19		0.19	0.041	mg/Kg	☼	04/25/23 13:29	04/26/23 18:15	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	04/25/23 13:29	04/26/23 18:15	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	04/25/23 13:29	04/26/23 18:15	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	04/25/23 13:29	04/26/23 18:15	1
N-Nitrosodiphenylamine	<0.19		0.19	0.043	mg/Kg	☼	04/25/23 13:29	04/26/23 18:15	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	04/25/23 13:29	04/26/23 18:15	1
Phenanthrene	0.091		0.037	0.0051	mg/Kg	☼	04/25/23 13:29	04/26/23 18:15	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	04/25/23 13:29	04/26/23 18:15	1
Pyrene	0.17		0.037	0.0073	mg/Kg	☼	04/25/23 13:29	04/26/23 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	50		31 - 143				04/25/23 13:29	04/26/23 18:15	1
2-Fluorobiphenyl (Surr)	71		43 - 145				04/25/23 13:29	04/26/23 18:15	1
2-Fluorophenol (Surr)	64		31 - 166				04/25/23 13:29	04/26/23 18:15	1
Nitrobenzene-d5 (Surr)	72		37 - 147				04/25/23 13:29	04/26/23 18:15	1
Phenol-d5 (Surr)	63		30 - 153				04/25/23 13:29	04/26/23 18:15	1
Terphenyl-d14 (Surr)	73		42 - 157				04/25/23 13:29	04/26/23 18:15	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 21:14	1
Barium	0.19	J	0.50	0.050	mg/L		04/18/23 17:10	04/19/23 21:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 21:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 21:14	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:14	1
Cobalt	0.017	J	0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:14	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:14	1
Iron	0.53		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 21:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 21:14	1
Manganese	1.6		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:14	1
Nickel	0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:14	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 21:14	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:14	1
Zinc	0.094	J	0.50	0.020	mg/L		04/18/23 17:10	04/19/23 21:14	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 01:28	1
Barium	0.070	J	0.50	0.050	mg/L		04/18/23 17:11	04/25/23 01:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 01:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 01:28	1
Chromium	0.021	J	0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:28	1
Cobalt	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:28	1
Copper	0.020	J	0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:28	1
Iron	14		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 01:28	1
Lead	0.014		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 01:28	1
Manganese	0.11		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:28	1
Nickel	0.017	J	0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:28	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 01:28	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-65(5-10)-041323

Lab Sample ID: 500-232207-14

Date Collected: 04/13/23 15:05

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 88.2

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:28	1
Zinc	0.072	J	0.50	0.020	mg/L		04/18/23 17:11	04/25/23 01:28	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3200		11	4.3	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Antimony	0.39	J	1.1	0.20	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Arsenic	3.7		0.53	0.18	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Barium	23		2.6	0.30	mg/Kg	☆	04/20/23 09:34	04/25/23 15:09	5
Beryllium	0.33	B	0.21	0.049	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Cadmium	0.17	B	0.11	0.019	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Calcium	120000	B	53	8.9	mg/Kg	☆	04/20/23 09:34	04/25/23 15:09	5
Chromium	15		0.53	0.26	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Cobalt	4.3		0.26	0.069	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Copper	13		0.53	0.15	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Iron	10000	B	53	27	mg/Kg	☆	04/20/23 09:34	04/25/23 15:09	5
Lead	10		0.26	0.12	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Magnesium	73000	B	26	13	mg/Kg	☆	04/20/23 09:34	04/25/23 15:09	5
Manganese	350		0.53	0.076	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Nickel	11		0.53	0.15	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Potassium	1100		26	9.3	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Selenium	<0.53		0.53	0.31	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Silver	<0.26		0.26	0.068	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Sodium	350		53	7.8	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Thallium	0.34	J	0.53	0.26	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Vanadium	11	B	0.26	0.062	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1
Zinc	52		1.1	0.46	mg/Kg	☆	04/20/23 09:34	04/24/23 22:33	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/18/23 15:10	04/19/23 10:08	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:29	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.018	0.0095	mg/Kg	☆	04/21/23 15:35	04/24/23 08:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.2	0.2	SU			04/18/23 12:13	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	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.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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.
S1-	Surrogate recovery exceeds control limits, low biased.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record

538483



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name: <u>Western Solutions</u> Address: <u>300 Knightbridge Plany</u> City/State/Zip: <u>Medford, OR</u> Phone: _____ Fax: _____ Project Name: <u>2205 05</u> Site: <u>I-80</u> P O #: _____		Project Manager: <u>A. Slesers</u> Tel/Email: _____		Site Contact: <u>C. Penn</u> Date: <u>4/13/23</u>		COC No: _____ 3 of 4 COCs					
Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Lab Contact: <u>R Wright</u> Carrier: _____		Sampler: _____ For Lab Use Only: Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>		Job / SDG No: <u>500-232207</u>					
Sample Identification 500-232207 Waybi		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N) Perform MS /MSD (Y/N)	VOCs SVOCs Total Metals TCLP / SPC Metals pH	Sample Specific Notes		
1	Row-53 (10-5) -041323	4/13/23	1220	G	S	6		X X X X X			
2	Row-54 (0-5) -041323		1240								
3	Row-55 (0-5) -041323		1300								
4	Row-55 (5-10) -041323		1305								
5	Row-55 (10-15) -041323		1310								
6	Row-56 (0-5) -041323		1330								
7	Row-56 (0-5) -041323D		1330								
8	Row-62 (0-5) -041323		1350								
9	Row-62 (5-10) -041323		1355								
10	Row-62 (10-15) -041323		1400								
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other								Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown								Special Instructions/QC Requirements & Comments: <u>5.8 -> 4.7, 5.5 -> 4.4, 5.8 -> 4.7</u>			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No. _____		Cooler Temp. (°C): Obs'd _____ Corr'd _____		Therm ID No _____					
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>4/13/23 1645</u>		Received by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1645</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1802</u>		Received by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1802</u>	
Relinquished by: <u>[Signature]</u>		Company: _____		Date/Time: _____		Received in Laboratory by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: _____	

Chain of Custody Record 641360



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <i>A. Steiner</i>		Site Contact: <i>Capen</i>		Date: <i>4.13.23</i>		COC No								
Company Name <i>W. J. Sullivan</i>		Tel/Email:		Lab Contact: <i>R. W. F. A. T.</i>		Carrier		4 of 4 COCs								
Address <i>380 Knightbridge Pkwy</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day														
City/State/Zip <i>Chesham, DC</i>																
Phone																
Fax																
Project Name <i>RDOT 051</i>																
Site <i>P 30</i>		Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	NOES	SUES	TOTAL METALS	TECP/SOP METALS	PTA	Sample Specific Notes
P O #																
		<i>Row-63 (0-5)-041323</i>		<i>4.13.23</i>	<i>1430</i>	<i>G</i>	<i>S</i>	<i>6</i>			<i>X</i>	<i>✓</i>	<i>X</i>	<i>X</i>	<i>X</i>	
		<i>Row-64 (0-5)-041323</i>			<i>1450</i>											
		<i>Row-65 (0-5)-041323</i>			<i>1500</i>											
		<i>Row-65 (5-10)-041323</i>			<i>1505</i>											
		<i>RC-6 (0-5)-041323</i>			<i>1545</i>											
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other										Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample						
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months						
Special Instructions/QC Requirements & Comments:																
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				Custody Seal No				Cooler Temp (°C) Obs'd _____ Corr'd _____				Therm ID No _____				
Relinquished by: <i>[Signature]</i>				Company: <i>NS</i>				Date/Time: <i>4.13.23/1802</i>				Received by: <i>M. J. Ellison</i>				
Relinquished by: <i>M. J. Ellison</i>				Company: <i>EETA</i>				Date/Time: <i>4/13/23</i>				Company: <i>EETA</i>				
Relinquished by: <i>[Signature]</i>				Company: _____				Date/Time: _____				Received in Laboratory by: <i>[Signature]</i>				
												Company: <i>EETA</i>				
												Date/Time: <i>4/13/23</i>				
												1645				
												1802				





ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 6/6/2023 12:33:19 PM Revision 1

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-232288-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-232288-1	ROW-43(0-5)-041423	Solid	04/14/23 22:30	04/15/23 02:30
500-232288-2	ROW-43(5-10)-041423	Solid	04/14/23 22:35	04/15/23 02:30
500-232288-3	RC-1(5-10)-041423	Solid	04/14/23 22:20	04/15/23 02:30
500-232288-4	RC-1(5-10)-041423D	Solid	04/14/23 22:20	04/15/23 02:30
500-232288-5	ROW-44(0-5)-041423	Solid	04/14/23 22:50	04/15/23 02:30
500-232288-6	ROW-44(0-5)-041423D	Solid	04/14/23 22:50	04/15/23 02:30
500-232288-7	ROW-44(5-10)-041423	Solid	04/14/23 22:55	04/15/23 02:30
500-232288-8	ROW-45(0-5)-041423	Solid	04/14/23 23:00	04/15/23 02:30
500-232288-9	ROW-45(5-10)-041423	Solid	04/14/23 23:05	04/15/23 02:30
500-232288-10	ROW-66(5-10)-041423	Solid	04/14/23 23:30	04/15/23 02:30
500-232288-11	ROW-66(0-5)-041423	Solid	04/14/23 23:25	04/15/23 02:30
500-232288-12	ROW-66(0-5)-041423D	Solid	04/14/23 23:25	04/15/23 02:30
500-232288-13	DR-4(0-5)-041523	Solid	04/15/23 00:30	04/15/23 02:30
500-232288-14	DR-1(0-5)-041523	Solid	04/15/23 00:40	04/15/23 02:30
500-232288-15	DR-1(5-10)-041523	Solid	04/15/23 00:45	04/15/23 02:30
500-232288-16	ROW-67(0-5)-041523	Solid	04/15/23 00:50	04/15/23 02:30
500-232288-17	ROW-68(0-5)-041523	Solid	04/15/23 00:55	04/15/23 02:30
500-232288-18	ROW-69(0-5)-041523	Solid	04/15/23 01:00	04/15/23 02:30
500-232288-19	ROW-69(0-5)-041523D	Solid	04/15/23 01:00	04/15/23 02:30

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: DR-4(0-5)-041523

Lab Sample ID: 500-232288-13

Date Collected: 04/15/23 00:30

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 88.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	J	0.018	0.0078	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	04/15/23 15:40	04/20/23 16:42	1
Dibromofluoromethane (Surr)	109		75 - 126	04/15/23 15:40	04/20/23 16:42	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	04/15/23 15:40	04/20/23 16:42	1
Toluene-d8 (Surr)	102		75 - 124	04/15/23 15:40	04/20/23 16:42	1

Method: SW846 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	☼	04/26/23 07:05	04/27/23 18:29	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
2,2'-oxybis[1-chloropropane]	<0.18	*+	0.18	0.042	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: DR-4(0-5)-041523

Lab Sample ID: 500-232288-13

Date Collected: 04/15/23 00:30

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 88.3

Method: SW846 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	✳	04/26/23 07:05	04/27/23 18:29	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
4-Nitrophenol	<0.73		0.73	0.34	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Carbazole	<0.18		0.18	0.091	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: DR-4(0-5)-041523

Lab Sample ID: 500-232288-13

Date Collected: 04/15/23 00:30

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 88.3

Method: SW846 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	☼	04/26/23 07:05	04/27/23 18:29	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	50		31 - 143	04/26/23 07:05	04/27/23 18:29	1
2-Fluorobiphenyl (Surr)	71		43 - 145	04/26/23 07:05	04/27/23 18:29	1
2-Fluorophenol (Surr)	69		31 - 166	04/26/23 07:05	04/27/23 18:29	1
Nitrobenzene-d5 (Surr)	73		37 - 147	04/26/23 07:05	04/27/23 18:29	1
Phenol-d5 (Surr)	76		30 - 153	04/26/23 07:05	04/27/23 18:29	1
Terphenyl-d14 (Surr)	93		42 - 157	04/26/23 07:05	04/27/23 18:29	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/20/23 21:31	1
Barium	0.096	J	0.50	0.050	mg/L		04/18/23 17:10	04/20/23 21:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/20/23 21:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/20/23 21:31	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:31	1
Cobalt	0.031		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:31	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:31	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/20/23 21:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/20/23 21:31	1
Manganese	2.1		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:31	1
Nickel	0.023	J	0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:31	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/20/23 21:31	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:31	1
Zinc	<0.50		0.50	0.020	mg/L		04/18/23 17:10	04/20/23 21:31	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.037	J	0.050	0.010	mg/L		04/18/23 17:11	04/25/23 17:03	1
Barium	0.082	J	0.50	0.050	mg/L		04/18/23 17:11	04/25/23 17:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 17:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 17:03	1
Chromium	0.047		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:03	1
Cobalt	0.034		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:03	1
Copper	0.092		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:03	1
Iron	63		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 17:03	1
Lead	0.026		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 17:03	1
Manganese	0.57		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:03	1
Nickel	0.076		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:03	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 17:03	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: DR-4(0-5)-041523

Lab Sample ID: 500-232288-13

Date Collected: 04/15/23 00:30

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 88.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:03	1
Zinc	0.27	J	0.50	0.020	mg/L		04/18/23 17:11	04/25/23 17:03	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2900		11	4.6	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Antimony	0.31	J	1.1	0.22	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Arsenic	4.5		0.56	0.19	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Barium	9.5	B	2.8	0.32	mg/Kg	☆	04/20/23 15:22	04/26/23 15:56	5
Beryllium	0.32	B	0.22	0.052	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Cadmium	0.22	B	0.11	0.020	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Calcium	150000	B	56	9.5	mg/Kg	☆	04/20/23 15:22	04/26/23 15:56	5
Chromium	5.2		0.56	0.28	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Cobalt	4.8		0.28	0.073	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Copper	14		0.56	0.16	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Iron	11000		56	29	mg/Kg	☆	04/20/23 15:22	04/26/23 15:56	5
Lead	7.5		0.28	0.13	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Magnesium	87000	B	28	14	mg/Kg	☆	04/20/23 15:22	04/26/23 15:56	5
Manganese	260	B	0.56	0.081	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Nickel	9.9		0.56	0.16	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Potassium	930		28	9.9	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Silver	0.083	J	0.28	0.072	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Sodium	490		56	8.3	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Vanadium	8.6	B	0.28	0.066	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Zinc	33		1.1	0.49	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/19/23 11:30	04/20/23 11:23	1

Method: SW846 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		04/24/23 10:20	04/25/23 12:15	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.018		0.018	0.0094	mg/Kg	☆	04/24/23 14:20	04/25/23 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3		0.2	0.2	SU			04/19/23 16:38	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: ROW-67(0-5)-041523

Lab Sample ID: 500-232288-16

Date Collected: 04/15/23 00:50

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 85.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.023		0.020	0.0085	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Benzene	<0.0020		0.0020	0.00050	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Bromoform	<0.0020		0.0020	0.00057	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Bromomethane	<0.0049		0.0049	0.0019	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Carbon disulfide	<0.0049		0.0049	0.0010	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Carbon tetrachloride	<0.0020		0.0020	0.00057	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Chlorobenzene	<0.0020		0.0020	0.00072	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Chloroethane	<0.0049		0.0049	0.0015	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Chloroform	<0.0020		0.0020	0.00068	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Chloromethane	<0.0049		0.0049	0.0020	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00059	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Dibromochloromethane	<0.0020		0.0020	0.00064	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
1,1-Dichloroethane	<0.0020		0.0020	0.00067	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
1,1-Dichloroethene	<0.0020		0.0020	0.00067	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00069	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Ethylbenzene	<0.0020		0.0020	0.00094	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Methylene Chloride	<0.0049		0.0049	0.0019	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Methyl Ethyl Ketone	0.0051		0.0049	0.0022	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
methyl isobutyl ketone	<0.0049		0.0049	0.0015	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00058	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Styrene	<0.0020		0.0020	0.00059	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00063	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Tetrachloroethene	<0.0020		0.0020	0.00067	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Toluene	<0.0020		0.0020	0.00050	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00087	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00069	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00066	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00084	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Trichloroethene	<0.0020		0.0020	0.00066	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Vinyl chloride	<0.0020		0.0020	0.00087	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1
Xylenes, Total	<0.0039		0.0039	0.00063	mg/Kg	✳	04/15/23 15:40	04/20/23 17:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	04/15/23 15:40	04/20/23 17:55	1
Dibromofluoromethane (Surr)	103		75 - 126	04/15/23 15:40	04/20/23 17:55	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	04/15/23 15:40	04/20/23 17:55	1
Toluene-d8 (Surr)	104		75 - 124	04/15/23 15:40	04/20/23 17:55	1

Method: SW846 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	✳	04/26/23 07:05	04/27/23 19:34	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
2,2'-oxybis[1-chloropropane]	<0.19	*+	0.19	0.044	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: ROW-67(0-5)-041523

Lab Sample ID: 500-232288-16

Date Collected: 04/15/23 00:50

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 85.9

Method: SW846 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	✳	04/26/23 07:05	04/27/23 19:34	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
2,4-Dichlorophenol	<0.37		0.37	0.090	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Acenaphthene	0.015	J	0.037	0.0068	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Anthracene	0.013	J	0.037	0.0063	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Benzo[a]anthracene	0.033	J	0.037	0.0051	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Benzo[a]pyrene	0.022	J	0.037	0.0073	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Benzo[b]fluoranthene	0.024	J	0.037	0.0081	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Benzo[k]fluoranthene	0.011	J	0.037	0.011	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Chrysene	0.023	J	0.037	0.010	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Fluoranthene	0.054		0.037	0.0070	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Fluorene	0.012	J	0.037	0.0053	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	04/26/23 07:05	04/27/23 19:34	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: ROW-67(0-5)-041523

Lab Sample ID: 500-232288-16

Date Collected: 04/15/23 00:50

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 85.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.026	J	0.037	0.0098	mg/Kg	☼	04/26/23 07:05	04/27/23 19:34	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/26/23 07:05	04/27/23 19:34	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	04/26/23 07:05	04/27/23 19:34	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	04/26/23 07:05	04/27/23 19:34	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/26/23 07:05	04/27/23 19:34	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/26/23 07:05	04/27/23 19:34	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/26/23 07:05	04/27/23 19:34	1
Phenanthrene	0.064		0.037	0.0053	mg/Kg	☼	04/26/23 07:05	04/27/23 19:34	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/26/23 07:05	04/27/23 19:34	1
Pyrene	0.053		0.037	0.0075	mg/Kg	☼	04/26/23 07:05	04/27/23 19:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	60		31 - 143				04/26/23 07:05	04/27/23 19:34	1
2-Fluorobiphenyl (Surr)	74		43 - 145				04/26/23 07:05	04/27/23 19:34	1
2-Fluorophenol (Surr)	75		31 - 166				04/26/23 07:05	04/27/23 19:34	1
Nitrobenzene-d5 (Surr)	75		37 - 147				04/26/23 07:05	04/27/23 19:34	1
Phenol-d5 (Surr)	83		30 - 153				04/26/23 07:05	04/27/23 19:34	1
Terphenyl-d14 (Surr)	102		42 - 157				04/26/23 07:05	04/27/23 19:34	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/20/23 21:37	1
Barium	0.74		0.50	0.050	mg/L		04/18/23 17:10	04/20/23 21:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/20/23 21:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/20/23 21:37	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:37	1
Cobalt	0.019	J	0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:37	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:37	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/20/23 21:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/20/23 21:37	1
Manganese	7.5		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:37	1
Nickel	0.013	J	0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:37	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/20/23 21:37	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:37	1
Zinc	<0.50		0.50	0.020	mg/L		04/18/23 17:10	04/20/23 21:37	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.070		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 17:20	1
Barium	0.40	J	0.50	0.050	mg/L		04/18/23 17:11	04/25/23 17:20	1
Beryllium	0.0054		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 17:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 17:20	1
Chromium	0.094		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:20	1
Cobalt	0.051		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:20	1
Copper	0.15		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:20	1
Iron	130		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 17:20	1
Lead	0.065		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 17:20	1
Manganese	0.90		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:20	1
Nickel	0.14		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:20	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 17:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: ROW-67(0-5)-041523

Lab Sample ID: 500-232288-16

Date Collected: 04/15/23 00:50

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 85.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:20	1
Zinc	0.34	J	0.50	0.020	mg/L		04/18/23 17:11	04/25/23 17:20	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9000		11	4.7	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Antimony	0.30	J	1.1	0.22	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Arsenic	12		0.57	0.20	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Barium	54	B	0.57	0.065	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Beryllium	0.66	B	0.23	0.053	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Cadmium	0.16	B	0.11	0.021	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Calcium	61000	B	57	9.7	mg/Kg	☆	04/20/23 15:22	04/26/23 16:05	5
Chromium	12		0.57	0.28	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Cobalt	14		0.29	0.075	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Copper	23		0.57	0.16	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Iron	16000		11	5.9	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Lead	13		0.29	0.13	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Magnesium	30000	B	5.7	2.8	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Manganese	460	B	0.57	0.083	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Nickel	26		0.57	0.17	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Potassium	1400		29	10	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Silver	0.24	J	0.29	0.074	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Sodium	800		57	8.5	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Thallium	<0.57		0.57	0.29	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Vanadium	19	B	0.29	0.067	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1
Zinc	59		1.1	0.50	mg/Kg	☆	04/20/23 15:22	04/26/23 14:17	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/19/23 11:30	04/20/23 11:27	1

Method: SW846 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		04/24/23 10:20	04/25/23 12:21	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.018	0.0098	mg/Kg	☆	04/24/23 14:20	04/25/23 09:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.1		0.2	0.2	SU			04/19/23 16:46	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: ROW-69(0-5)-041523

Lab Sample ID: 500-232288-18

Date Collected: 04/15/23 01:00

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 85.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0098	J	0.017	0.0073	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Chloroethane	<0.0042		0.0042	0.0012	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Methylene Chloride	<0.0042		0.0042	0.0016	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1
Xylenes, Total	<0.0033		0.0033	0.00054	mg/Kg	☼	04/15/23 15:40	04/20/23 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 131	04/15/23 15:40	04/20/23 18:44	1
Dibromofluoromethane (Surr)	106		75 - 126	04/15/23 15:40	04/20/23 18:44	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	04/15/23 15:40	04/20/23 18:44	1
Toluene-d8 (Surr)	106		75 - 124	04/15/23 15:40	04/20/23 18:44	1

Method: SW846 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	☼	04/26/23 07:05	04/27/23 20:18	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	04/26/23 07:05	04/27/23 20:18	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	04/26/23 07:05	04/27/23 20:18	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	04/26/23 07:05	04/27/23 20:18	1
2,2'-oxybis[1-chloropropane]	<0.19	*+	0.19	0.043	mg/Kg	☼	04/26/23 07:05	04/27/23 20:18	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: ROW-69(0-5)-041523

Lab Sample ID: 500-232288-18

Date Collected: 04/15/23 01:00

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 85.3

Method: SW846 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	✳	04/26/23 07:05	04/27/23 20:18	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
2-Methylnaphthalene	<0.075		0.075	0.0069	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
4-Nitrophenol	<0.75		0.75	0.36	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Benzo[a]anthracene	0.0098	J	0.037	0.0050	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Benzo[a]pyrene	<0.037		0.037	0.0072	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Carbazole	<0.19		0.19	0.093	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Chrysene	<0.037		0.037	0.010	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Hexachlorobenzene	<0.075		0.075	0.0087	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	04/26/23 07:05	04/27/23 20:18	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: ROW-69(0-5)-041523

Lab Sample ID: 500-232288-18

Date Collected: 04/15/23 01:00

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 85.3

Method: SW846 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	☼	04/26/23 07:05	04/27/23 20:18	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/26/23 07:05	04/27/23 20:18	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	04/26/23 07:05	04/27/23 20:18	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	04/26/23 07:05	04/27/23 20:18	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.046	mg/Kg	☼	04/26/23 07:05	04/27/23 20:18	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	04/26/23 07:05	04/27/23 20:18	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	04/26/23 07:05	04/27/23 20:18	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	04/26/23 07:05	04/27/23 20:18	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	04/26/23 07:05	04/27/23 20:18	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	04/26/23 07:05	04/27/23 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	60		31 - 143	04/26/23 07:05	04/27/23 20:18	1
2-Fluorobiphenyl (Surr)	77		43 - 145	04/26/23 07:05	04/27/23 20:18	1
2-Fluorophenol (Surr)	80		31 - 166	04/26/23 07:05	04/27/23 20:18	1
Nitrobenzene-d5 (Surr)	78		37 - 147	04/26/23 07:05	04/27/23 20:18	1
Phenol-d5 (Surr)	86		30 - 153	04/26/23 07:05	04/27/23 20:18	1
Terphenyl-d14 (Surr)	101		42 - 157	04/26/23 07:05	04/27/23 20:18	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/20/23 21:40	1
Barium	0.77		0.50	0.050	mg/L		04/18/23 17:10	04/20/23 21:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/20/23 21:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/20/23 21:40	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:40	1
Cobalt	0.032		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:40	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:40	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/20/23 21:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/20/23 21:40	1
Manganese	9.5		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:40	1
Nickel	0.024 J		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:40	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/20/23 21:40	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:40	1
Zinc	0.036 J		0.50	0.020	mg/L		04/18/23 17:10	04/20/23 21:40	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.057		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 17:27	1
Barium	0.67		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 17:27	1
Beryllium	0.0065		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 17:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 17:27	1
Chromium	0.11		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:27	1
Cobalt	0.049		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:27	1
Copper	0.14		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:27	1
Iron	120		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 17:27	1
Lead	0.088		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 17:27	1
Manganese	0.99		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:27	1
Nickel	0.13		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:27	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 17:27	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: ROW-69(0-5)-041523

Lab Sample ID: 500-232288-18

Date Collected: 04/15/23 01:00

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 85.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:27	1
Zinc	0.33	J	0.50	0.020	mg/L		04/18/23 17:11	04/25/23 17:27	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		12	4.7	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Antimony	0.42	J	1.2	0.22	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Arsenic	7.0		0.58	0.20	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Barium	77	B	0.58	0.066	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Beryllium	0.70	B	0.23	0.054	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Cadmium	0.13	B	0.12	0.021	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Calcium	24000	B	12	2.0	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Chromium	13		0.58	0.29	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Cobalt	13		0.29	0.076	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Copper	18		0.58	0.16	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Iron	15000		12	6.0	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Lead	14		0.29	0.13	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Magnesium	15000	B	5.8	2.9	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Manganese	250	B	0.58	0.084	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Nickel	22		0.58	0.17	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Potassium	1000		29	10	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Selenium	0.57	J	0.58	0.34	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Silver	0.32		0.29	0.074	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Sodium	430		58	8.5	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Vanadium	24	B	0.29	0.068	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1
Zinc	51		1.2	0.51	mg/Kg	☆	04/20/23 15:22	04/26/23 14:24	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/19/23 11:30	04/20/23 11:29	1

Method: SW846 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		04/24/23 10:20	04/25/23 12:26	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.018	0.0094	mg/Kg	☆	04/24/23 14:20	04/25/23 09:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.2	0.2	SU			04/19/23 16:51	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: ROW-69(0-5)-041523D

Lab Sample ID: 500-232288-19

Date Collected: 04/15/23 01:00

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 79.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.028		0.019	0.0084	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Bromoform	<0.0019		0.0019	0.00057	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Carbon disulfide	<0.0048		0.0048	0.0010	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Chlorobenzene	<0.0019		0.0019	0.00071	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Chloroform	<0.0019		0.0019	0.00067	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
1,1-Dichloroethene	<0.0019		0.0019	0.00067	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00068	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Ethylbenzene	<0.0019		0.0019	0.00093	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0021	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00057	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00062	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Tetrachloroethene	<0.0019		0.0019	0.00066	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Toluene	<0.0019		0.0019	0.00049	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00086	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00068	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00065	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00083	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Vinyl chloride	<0.0019		0.0019	0.00086	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1
Xylenes, Total	<0.0039		0.0039	0.00062	mg/Kg	✳	04/15/23 15:40	04/20/23 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 131	04/15/23 15:40	04/20/23 19:09	1
Dibromofluoromethane (Surr)	111		75 - 126	04/15/23 15:40	04/20/23 19:09	1
1,2-Dichloroethane-d4 (Surr)	112		70 - 134	04/15/23 15:40	04/20/23 19:09	1
Toluene-d8 (Surr)	103		75 - 124	04/15/23 15:40	04/20/23 19:09	1

Method: SW846 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	✳	04/26/23 07:05	04/27/23 20:39	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
2,2'-oxybis[1-chloropropane]	<0.21	*+	0.21	0.048	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: ROW-69(0-5)-041523D

Lab Sample ID: 500-232288-19

Date Collected: 04/15/23 01:00

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 79.4

Method: SW846 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	✳	04/26/23 07:05	04/27/23 20:39	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
2,4-Dichlorophenol	<0.41		0.41	0.099	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
2,4-Dinitrophenol	<0.84		0.84	0.73	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
2-Methylnaphthalene	<0.084		0.084	0.0077	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Acenaphthene	<0.041		0.041	0.0075	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Anthracene	<0.041		0.041	0.0070	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Benzo[a]anthracene	0.012	J	0.041	0.0056	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Benzo[a]pyrene	<0.041		0.041	0.0081	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Benzo[b]fluoranthene	<0.041		0.041	0.0090	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Carbazole	<0.21		0.21	0.10	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Chrysene	<0.041		0.041	0.011	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Fluorene	<0.041		0.041	0.0059	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Hexachlorobenzene	<0.084		0.084	0.0097	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	✳	04/26/23 07:05	04/27/23 20:39	1

Euofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: ROW-69(0-5)-041523D

Lab Sample ID: 500-232288-19

Date Collected: 04/15/23 01:00

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 79.4

Method: SW846 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	☼	04/26/23 07:05	04/27/23 20:39	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	04/26/23 07:05	04/27/23 20:39	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	04/26/23 07:05	04/27/23 20:39	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	04/26/23 07:05	04/27/23 20:39	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	04/26/23 07:05	04/27/23 20:39	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	04/26/23 07:05	04/27/23 20:39	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	04/26/23 07:05	04/27/23 20:39	1
Phenanthrene	0.0058	J	0.041	0.0058	mg/Kg	☼	04/26/23 07:05	04/27/23 20:39	1
Phenol	<0.21		0.21	0.093	mg/Kg	☼	04/26/23 07:05	04/27/23 20:39	1
Pyrene	<0.041		0.041	0.0083	mg/Kg	☼	04/26/23 07:05	04/27/23 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	58		31 - 143	04/26/23 07:05	04/27/23 20:39	1
2-Fluorobiphenyl (Surr)	72		43 - 145	04/26/23 07:05	04/27/23 20:39	1
2-Fluorophenol (Surr)	73		31 - 166	04/26/23 07:05	04/27/23 20:39	1
Nitrobenzene-d5 (Surr)	75		37 - 147	04/26/23 07:05	04/27/23 20:39	1
Phenol-d5 (Surr)	80		30 - 153	04/26/23 07:05	04/27/23 20:39	1
Terphenyl-d14 (Surr)	97		42 - 157	04/26/23 07:05	04/27/23 20:39	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J B	0.050	0.010	mg/L		04/18/23 17:10	04/20/23 21:44	1
Barium	0.79		0.50	0.050	mg/L		04/18/23 17:10	04/20/23 21:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/20/23 21:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/20/23 21:44	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:44	1
Cobalt	0.037		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:44	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:44	1
Iron	0.27	J	0.40	0.20	mg/L		04/18/23 17:10	04/20/23 21:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/20/23 21:44	1
Manganese	7.9		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:44	1
Nickel	0.026		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:44	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/20/23 21:44	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:44	1
Zinc	<0.50		0.50	0.020	mg/L		04/18/23 17:10	04/20/23 21:44	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.047	J	0.050	0.010	mg/L		04/18/23 17:11	04/25/23 17:31	1
Barium	0.42	J	0.50	0.050	mg/L		04/18/23 17:11	04/25/23 17:31	1
Beryllium	0.0046		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 17:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 17:31	1
Chromium	0.080		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:31	1
Cobalt	0.034		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:31	1
Copper	0.12		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:31	1
Iron	89		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 17:31	1
Lead	0.066		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 17:31	1
Manganese	0.62		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:31	1
Nickel	0.094		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:31	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 17:31	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: ROW-69(0-5)-041523D

Lab Sample ID: 500-232288-19

Date Collected: 04/15/23 01:00

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 79.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:31	1
Zinc	0.22	J	0.50	0.020	mg/L		04/18/23 17:11	04/25/23 17:31	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		12	4.9	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Antimony	0.55	J	1.2	0.23	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Arsenic	8.8		0.60	0.21	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Barium	90	B	0.60	0.069	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Beryllium	0.79	B	0.24	0.056	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Cadmium	0.14	B	0.12	0.022	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Calcium	31000	B	12	2.0	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Chromium	14		0.60	0.30	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Cobalt	12		0.30	0.079	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Copper	20		0.60	0.17	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Iron	19000		12	6.3	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Lead	16		0.30	0.14	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Magnesium	20000	B	6.0	3.0	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Manganese	330	B	0.60	0.087	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Nickel	25		0.60	0.18	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Potassium	1200		30	11	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Selenium	0.51	J	0.60	0.35	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Silver	0.31		0.30	0.078	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Sodium	590		60	8.9	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Vanadium	24	B	0.30	0.071	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1
Zinc	58		1.2	0.53	mg/Kg	☆	04/20/23 15:22	04/26/23 14:28	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/19/23 11:30	04/20/23 11:31	1

Method: SW846 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		04/24/23 10:20	04/25/23 12:28	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.019	0.010	mg/Kg	☆	04/24/23 14:20	04/25/23 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/19/23 16:53	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

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 and/or LCSD is outside acceptance limits, high biased.
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 exceeds control 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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Chain of Custody Record 641361



Environment Testing
America

TAL-8210

Address _____

Regulatory Program: RCRA NPDES RCRA Other

Client Contact		Project Manager: <u>A. Slegers</u>		Site Contact: <u>C. Ferr</u>		Date: <u>4/14/23</u>		COC No. _____	
Company Name: <u>Western Solutions</u>		Tel/Email: _____		Lab Contact: <u>R. W. D. J.</u>		Carrier: _____		1 of 2 COCs	
Address: <u>302 Kingsbridge Parkway</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) _____ Perform MS/MSD (Y/N) _____ 1005 SVOCs Total Metals PCB/PCP Metals pH		500 232288 COC 		Sampler: _____ For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>	
City/State/Zip: <u>Lincolnshire, IL</u>								Job / SDG No. <u>500-232288</u>	
Phone: _____								Sample Specific Notes	
Fax: _____									
Project Name: <u>2005 051</u>		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		# of Cont.	
Site: <u>R-80</u>									
P O # _____									
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments: <p style="text-align: center; font-size: 1.2em;">3.2-921, 3.8-25</p>									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp. (°C) Obs'd _____		Therm ID No _____			
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>4/15/23 0230</u>		Received by: _____		Company: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received by: _____		Company: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: <u>[Signature]</u>		Company: <u>ELPA</u>	
								Date/Time: <u>4/15/23 0505</u>	

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Chain of Custody Record 641359



Environment Testing America

TAL-8210

Address: _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <i>A. Blakes</i>			Site Contact: <i>C. Parr</i>			Date: <i>4/14/23 / 4.15.23</i>		COC No	
Company Name <i>Weston Solutions</i>		Tel/Email:			Lab Contact: <i>Rui Xing</i>			Carrier		2 of 2 COCs	
Address <i>300 Lehigh Valley Pkwy</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day									
City/State/Zip <i>Chesham, PA</i>											
Phone:											
Fax:											
Project Name <i>2001 051</i>											
Site <i>2-80</i>		Filtered Sample (Y/N)		Perform MS/MSD (Y/N)							
P O #											

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Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	VOCs	SVOCs	Trace Metals	TEP/SEP Metals	pH	Sample Specific Notes
<i>Row-66 (0-5) - 041423</i>	<i>4/14/23</i>	<i>1125</i>	<i>G</i>	<i>S</i>	<i>6</i>			<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>Row-66 (0-5) - 041423D</i>	<i>↓</i>	<i>1125</i>											
<i>DR-4 (0-5) - 041523</i>	<i>4/15/23</i>	<i>0030</i>											
<i>DR-1 (0-5) - 041523</i>	<i>↓</i>	<i>0040</i>											
<i>DR-1 (5-10) - 041523</i>	<i>↓</i>	<i>0045</i>											
<i>Row-67 (0-5) - 041523</i>	<i>↓</i>	<i>0050</i>											
<i>Row-68 (0-5) - 041523</i>	<i>↓</i>	<i>0055</i>											
<i>Row-69 (0-5) - 041523</i>	<i>↓</i>	<i>0100</i>											
<i>Row-69 (0-5) - 041523D</i>	<i>↓</i>	<i>0100</i>											

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact Yes No Custody Seal No _____ Cooler Temp (°C) Obs'd _____ Cor'd _____ Therm ID No _____

Relinquished by: <i>[Signature]</i>	Company: <i>WS</i>	Date/Time: <i>4.15.23/00</i>	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: <i>[Signature]</i>	Company: <i>EEPA</i>	Date/Time: <i>4/19/23 OSVS</i>

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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 80 (I-80) - e/o River Rd to w/o Houbolt Rd Office Phone Number, if available: _____

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

I-80 Median (ISGS Site 2233V3-1)

City: Various State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.48649 Longitude: - 88.19742
(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.): 11,750

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 M-1 THROUGH M-4, M-6 THROUGH M-17, AND M-19 THROUGH M-21 WERE SAMPLED WITHIN THE I-80 MEDIAN. SEE FIGURES 3-1 THROUGH 3-9, AND TABLE 4-1 OF THE 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]:

EUROFINS ANALYTICAL REPORTS - JOB ID: 500-231021-1, 500-231022-1, 500-231095-1, AND 500-231240-1. ALSO SEE FIGURES 4-1 THROUGH 4-9 OF THE PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

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

Company Name: Weston Solutions, Inc.
Street Address: 300 Knightsbridge Parkway; Suite 360
City: Lincolnshire State: IL Zip Code: 60069
Phone: (224) 864-7200

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

Michael A. Castillo
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

7 June 2023
Date:

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

Summary Table - I-80 ROW - Median (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location	Reference Concentrations (MAC Table)	M-1	M-1	M-2	M-2	M-2	M-3	M-4
		M-1(0-5)-032023	M-1(5-10)-032023	M-2(0-5)-032023	M-2(5-10)-032023	M-2(10-15)-032023	M-3(0-5)-032023	M-4(0-5)-032023
Field Sample ID		3/20/2023	3/20/2023	3/20/2023	3/20/2023	3/20/2023	3/20/2023	3/20/2023
Sample Date		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
ISGS Site No								
Laboratory pH	<6.25, >9.0	8.2	8.4 J	8.2	8.5	8.1	8.2	8.8
VOCs (mg/kg)								
Acetone	25	ND	ND	ND	ND	0.013 J	0.022	ND
Benzene	0.03	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	9	ND	ND	ND	ND	0.00083 J	ND	ND
Methyl ethyl ketone	---	ND	ND	ND	ND	ND	ND	ND
Toluene	12	ND	ND	ND	ND	0.0004 J	ND	ND
Xylene (Total)	5.6	ND	ND	ND	ND	ND	ND	ND
SVOCs (mg/kg)								
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	0.026 J	0.007 J	ND	ND	ND	ND	0.0055 J
Benzo(a)pyrene	0.09 / 11 / 2.1	0.043 J	0.0097 J	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9 / 13 / 2.1	0.068 J	0.014 J	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	---	0.022 J	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	9	0.026 J	ND	ND	ND	ND	ND	ND
Chrysene	88	0.038 J	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	0.057	0.0089 J	ND	ND	ND	ND	0.009 J
Fluorene	560	ND	0.008 J	ND	ND	ND	ND	ND
Hexachlorobenzene	0.4	ND	0.019 J	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	0.027 J	ND	ND	ND	ND	ND	ND
Naphthalene	1.8	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	0.026 J	0.0098 J	ND	ND	ND	ND	ND
Pyrene	2300	0.057	0.0071 J	ND	ND	ND	ND	0.0087 J
Total Metals (mg/kg)								
Aluminum, Total	---	8200 J	7900	9300	4500	4800	6900	6100
Antimony, Total	5	0.32 J	ND	0.34 J	ND	ND	0.24 J	0.5 J
Arsenic, Total	11.3 / 13	12 J	5.7	11	4.7	6.5	7.2	13
Barium, Total	1500	63	52	77	33	31	54	57
Beryllium, Total	22	0.6	0.5	0.69	0.57	0.45	0.56	0.55
Cadmium, Total	5.2	0.35 J	0.21 J	0.26 J	0.27 J	0.22 J	0.37 J	0.51 B
Calcium, Total	---	66000 J	56000 B	26000 B	75000 B	99000 B	55000 B	94000 B
Chromium, Total	21	11 J	11	13	6.3	7.6	9.6	11
Cobalt, Total	20	9.1	7.6	13	8.1	7.6	8.8	9.2
Copper, Total	2900	21	26	21	11	15	18	25
Iron, Total	15000 / 15900	22000	16000	20000	14000	14000	16000	26000
Lead, Total	107	29	12	19	19	16	13	130
Magnesium, Total	325000	36000 J	30000 B	16000 B	43000 B	60000 B	29000 B	59000 B
Manganese, Total	630 / 636	520	360	480	460	320	340	490
Mercury, Total	0.89	0.029	ND	0.025	0.019	0.016 J	0.0094 J	0.023
Nickel, Total	100	20	19	26	15	17	20	22
Potassium, Total	---	950 J	750	1200	1800	1200	1000	1200
Selenium, Total	1.3	0.43 J	ND	0.37 J	ND	ND	ND	ND
Silver, Total	4.4	0.26 J	0.27	0.47	0.24 J	0.19 J	0.24 J	0.24 J
Sodium, Total	---	330	470	800	380	440	210	300
Thallium, Total	2.6	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	550	20 J	25	25	8.9	12	17	14
Zinc, Total	5100	83 J	43	62	20	35	65	87

**Summary Table - I-80 ROW - Median (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	M-1	M-1	M-2	M-2	M-2	M-3	M-4
Field Sample ID		M-1(0-5)-032023	M-1(5-10)-032023	M-2(0-5)-032023	M-2(5-10)-032023	M-2(10-15)-032023	M-3(0-5)-032023	M-4(0-5)-032023
Sample Date		3/20/2023	3/20/2023	3/20/2023	3/20/2023	3/20/2023	3/20/2023	3/20/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)								
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.29 J	0.19 J	0.64	0.31 J	0.22 J	0.72	0.35 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	0.002 J	ND	ND	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	ND	ND	ND	0.063	0.026	0.011 J	ND
Copper, TCLP	0.65	ND	ND	0.011 J	0.015 J	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	0.23 J	ND	ND	0.37 J
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	0.33	1	0.49	6.2	3.6	2	0.58
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	ND	ND	0.053	0.053	0.016 J	0.011 J
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	ND	ND	ND	ND	ND	ND
SPLP Metals (mg/l)								
Arsenic, SPLP	0.05	0.023 J	ND	0.062	0.062	0.011 J	0.034 J	0.067
Barium, SPLP	2	0.32 J	ND	0.62	0.17 J	0.11 J	0.25 J	0.3 J
Beryllium, SPLP	0.004	0.004	ND	0.0067	0.0086	ND	ND	0.0065
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.11	ND	0.15	0.1	0.054	0.069	0.12
Cobalt, SPLP	1	0.017 J	ND	0.033	0.049	0.012 J	0.027	0.052
Copper, SPLP	0.65	0.097	0.011 J	0.15	0.1	0.048	0.084	0.17
Iron, SPLP	5	110	7.7	170	120	37	86	150
Lead, SPLP	0.0075	0.024	ND	0.06	0.19	0.034	0.043	0.082
Manganese, SPLP	0.15	0.31	0.027	0.87	0.58	0.27	0.71	0.75
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.068	ND	0.15	0.14	0.037	0.077	0.14
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.21 J	0.03 J	0.43 J	0.15 J	0.089 J	0.26 J	0.34 J

**Summary Table - I-80 ROW - Median (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	M-4	M-6	M-6	M-6	M-7	M-7	M-7	M-7
Field Sample ID		M-4(5-10)-032023	M-6(0-5)-032123	M-6(5-10)-032123	M-6(10-15)-032123	M-7(0-5)-032123	M-7(5-10)-032123	M-7(10-15)-032123	M-7(10-15)-032123D
Sample Date		3/20/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
Laboratory pH	<6.25, >9.0	8.4	7.4	7.6	7.3	7.4	7.6	7.3	7.7
VOCs (mg/kg)									
Acetone	25	ND	0.017	0.04	0.044	ND	0.011 J	0.11	0.12
Benzene	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	9	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	---	ND	ND	ND	0.0047	ND	ND	ND	0.013
Toluene	12	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (Total)	5.6	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (mg/kg)									
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	ND	0.0091 J	ND
Acenaphthene	570	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	ND	ND	ND	ND	0.045	ND	ND	ND
Benzo(a)pyrene	0.09 / 11 / 2.1	ND	ND	ND	ND	0.1 J	ND	ND	ND
Benzo(b)fluoranthene	0.9 / 13 / 2.1	ND	ND	ND	ND	0.1 J	ND	ND	ND
Benzo(g,h,i)perylene	---	ND	ND	ND	ND	0.05 J	ND	ND	ND
Benzo(k)fluoranthene	9	ND	ND	ND	ND	0.027 J	ND	ND	ND
Chrysene	88	ND	ND	ND	ND	0.15	0.014 J	ND	ND
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	ND	ND	ND	ND	0.019 J	ND	ND	ND
Fluoranthene	3100	ND	ND	ND	ND	0.032 J	ND	ND	ND
Fluorene	560	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.4	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	ND	ND	ND	ND	0.035 J	ND	ND	ND
Naphthalene	1.8	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	ND	ND	ND	ND	0.038	0.021 J	0.012 J	0.012 J
Pyrene	2300	ND	ND	ND	ND	0.043	0.011 J	ND	ND
Total Metals (mg/kg)									
Aluminum, Total	---	2600	8400	9200	16000	4800	7700	6600	5400
Antimony, Total	5	ND	ND	0.37 J	0.44 J	ND	ND	ND	0.27 J
Arsenic, Total	11.3 / 13	6.4	7.8	11	9.2	10	8	6.4 J	7
Barium, Total	1500	8.9	37	42	130	18	32	37	25
Beryllium, Total	22	0.31	0.59	0.67	0.93	0.43	0.54	0.48	0.43
Cadmium, Total	5.2	0.19 J	0.2 J	0.36 J	0.2 J	0.22 J	0.19 J	0.29	0.27
Calcium, Total	---	120000 B	82000 B	43000 B	8000 B	95000 B	73000 B	49000 J	80000 B
Chromium, Total	21	5.3	13	13	20	8.5	12	9.9	8.5
Cobalt, Total	20	5.4	11	11	14	9.5	11	11	11
Copper, Total	2900	14	21	24	24	23	22	17 J	25 B
Iron, Total	15000 / 15900	12000	16000	21000	24000	19000	20000	14000	17000
Lead, Total	107	7.2	11	17	17	12	12	15 J	12
Magnesium, Total	325000	74000 B	35000 B	22000 B	8500 B	55000 B	41000 B	25000 J	47000 J
Manganese, Total	630 / 636	340	330	450	580	350	370	240 J	340
Mercury, Total	0.89	ND	0.02	0.026	0.039	0.016 J	0.025	0.028	0.026
Nickel, Total	100	11	24	26	45	21	25	19 J	23
Potassium, Total	---	900	2000	1400	1700	1200	1900	1000 J	1100
Selenium, Total	1.3	ND	ND	0.39 J	0.43 J	ND	ND	0.32 J	0.53 J
Silver, Total	4.4	0.1 J	0.24 J	0.29	0.61	0.25 J	0.26 J	0.25 J	0.22 J
Sodium, Total	---	250	370	150	87	510	270	91	120
Thallium, Total	2.6	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	550	8.6	18	21	27	14	16	15	12
Zinc, Total	5100	29	48	81	75	47	46	75 J	59

**Summary Table - I-80 ROW - Median (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	M-4	M-6	M-6	M-6	M-7	M-7	M-7	M-7
Field Sample ID		M-4(5-10)-032023	M-6(0-5)-032123	M-6(5-10)-032123	M-6(10-15)-032123	M-7(0-5)-032123	M-7(5-10)-032123	M-7(10-15)-032123	M-7(10-15)-032123D
Sample Date		3/20/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)									
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	0.013 J
Barium, TCLP	2	0.1 J	0.069 J	0.44 J	0.61	0.087 J	0.41 J	0.33 J	0.35 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	0.0039 J	0.0029 J	0.002 J	ND	0.0032 J	0.0027 J
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.025	ND	0.047	0.042	0.029	0.018 J	0.03	0.024 J
Copper, TCLP	0.65	0.011 J	ND	0.022 J	0.015 J	ND	ND	0.015 J	0.017 J
Iron, TCLP	5	ND	ND	2.1	0.53	ND	ND	ND	0.2 J
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	1.2	1.6	4.5	6.4	1.7	2.3	4.6	4.5
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.049	ND	0.065	0.038	0.026	0.031	0.038	0.033
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	ND	0.081 J	0.079 J	ND	ND	0.068 J	0.066 J
SPLP Metals (mg/l)									
Arsenic, SPLP	0.05	ND	ND	0.088	0.023 J	ND	ND	0.043 J	ND
Barium, SPLP	2	ND	ND	0.6	0.2 J	ND	ND	0.25 J	0.058 J
Beryllium, SPLP	0.004	ND	ND	0.0066	ND	ND	ND	0.0044	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	ND	ND	0.12	0.05	ND	ND	0.082 J	0.019 J
Cobalt, SPLP	1	ND	ND	0.051	0.013 J	ND	ND	0.039	ND
Copper, SPLP	0.65	ND	ND	0.2	0.05	ND	ND	0.094 J	0.019 J
Iron, SPLP	5	0.3 J	ND	190	54	ND	0.45	100 J	15 J
Lead, SPLP	0.0075	ND	ND	0.096	0.019	ND	ND	0.069	0.008 J
Manganese, SPLP	0.15	ND	0.016 J	1.2	0.27	ND	0.033	0.66 J	0.16 J
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	ND	ND	0.17	0.046	ND	ND	0.08 J	0.016 J
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	ND	ND	0.55	0.12 J	ND	ND	0.37 J	0.042 J

Summary Table - I-80 ROW - Median (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location	Reference Concentrations (MAC Table)	M-7	M-8	M-8	M-8	M-9	M-10	M-10	M-10
Field Sample ID		M-7(15-18)-032123	M-8(0-5)-032123	M-8(5-10)-032123	M-8(10-15)-032123	M-9(0-5)-032123	M-10(0-5)-032123	M-10(5-10)-032123	M-10(10-15)-032123
Sample Date		3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
Laboratory pH	<6.25, >9.0	6.5	7.8	7.8	7.9	7.6	7.8	7.6	7.9
VOCs (mg/kg)									
Acetone	25	0.064	0.009 J	ND	0.0095 J	0.051	0.012 J	0.041	0.095
Benzene	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	9	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	---	0.0071	ND	ND	ND	ND	ND	ND	ND
Toluene	12	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (Total)	5.6	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (mg/kg)									
2-Methylnaphthalene	---	ND	ND	ND	ND	0.01 J	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	ND	ND	ND	ND	ND	0.0091 J	ND	ND
Benzo(a)pyrene	0.09 / 11 / 2.1	ND	ND	ND	ND	ND	0.014 J	ND	ND
Benzo(b)fluoranthene	0.9 / 13 / 2.1	ND	ND	ND	ND	ND	0.021 J	ND	ND
Benzo(g,h,i)perylene	---	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	9	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88	ND	ND	ND	0.013 J	0.011 J	0.012 J	ND	ND
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	ND	ND	ND	ND	ND	0.015 J	ND	ND
Fluorene	560	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.4	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	1.8	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	ND	ND	ND	0.019 J	0.018 J	0.0086 J	0.01 J	ND
Pyrene	2300	ND	ND	ND	0.011 J	0.011 J	0.014 J	ND	ND
Total Metals (mg/kg)									
Aluminum, Total	---	21000	12000	11000	11000	7700	12000	7600	11000
Antimony, Total	5	0.37 J	ND	0.29 J	0.2 J	ND	0.33 J	ND	ND
Arsenic, Total	11.3 / 13	8.6	4.9	7.9	5.7	7.9	8	7.6	8.9
Barium, Total	1500	100	69	56	61	36	130	63	51
Beryllium, Total	22	0.89	0.71	0.73	0.65	0.58	0.83	0.56	0.74
Cadmium, Total	5.2	0.11 J	0.21	0.25	0.2	0.23	0.26	0.17	0.21
Calcium, Total	---	2300 B	51000 B	64000 B	50000 B	92000 B	16000 B	78000 B	20000 B
Chromium, Total	21	24	17	17	15	12	17	12	14
Cobalt, Total	20	10	9.4	12	7.9	14	14	9.2	8.1
Copper, Total	2900	24 B	16 B	22 B	17 B	25 B	21 B	21 B	20 B
Iron, Total	15000 / 15900	27000	17000	20000	17000	20000	20000	21000	20000
Lead, Total	107	16	11	13	12	13	24	12	16
Magnesium, Total	325000	4700	19000	24000	18000	52000	9300	43000	12000
Manganese, Total	630 / 636	420	360	340	230	370	460	330	210
Mercury, Total	0.89	0.048	0.027	0.024	0.024	0.021	0.017	0.021	0.031
Nickel, Total	100	24	27	32	24	29	39	23	24
Potassium, Total	---	1300	2000	2100	1800	2000	1500	1500	980
Selenium, Total	1.3	0.78	ND	ND	ND	ND	0.38 J	ND	ND
Silver, Total	4.4	0.55	0.41	0.38	0.32	0.2 J	0.52	0.22 J	0.39
Sodium, Total	---	77	580	220	340	420	480	280	59
Thallium, Total	2.6	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	550	34	22	21	19	16	24	17	22
Zinc, Total	5100	61	60	60	54	49	69	51	63

**Summary Table - I-80 ROW - Median (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	M-7	M-8	M-8	M-8	M-9	M-10	M-10	M-10
Field Sample ID		M-7(15-18)-032123	M-8(0-5)-032123	M-8(5-10)-032123	M-8(10-15)-032123	M-9(0-5)-032123	M-10(0-5)-032123	M-10(5-10)-032123	M-10(10-15)-032123
Sample Date		3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)									
Arsenic, TCLP	0.05	0.01 J	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.63	0.46 J	0.5	0.43 J	0.37 J	0.15 J	0.5	0.72
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	0.0025 J	ND	ND	ND	ND	ND	ND	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.04	ND	0.012 J	ND	ND	ND	ND	0.015 J
Copper, TCLP	0.65	0.011 J	ND	ND	ND	ND	ND	ND	0.012 J
Iron, TCLP	5	ND	ND	0.38 J	ND	0.23 J	ND	ND	0.2 J
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	6.3	1.3	2.4	2.5	0.036	1.3	4.1	12
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.036	0.013 J	0.021 J	0.012 J	ND	ND	ND	ND
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	0.04 J	ND	ND	ND	ND	ND	ND	ND
SPLP Metals (mg/l)									
Arsenic, SPLP	0.05	0.063	0.02 J	ND	ND	ND	ND	ND	0.028 J
Barium, SPLP	2	1.3	0.38 J	0.09 J	ND	0.063 J	ND	ND	0.3 J
Beryllium, SPLP	0.004	0.016	ND	ND	ND	ND	ND	ND	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.18	0.073	0.024 J	ND	0.012 J	ND	ND	0.073
Cobalt, SPLP	1	0.12	0.015 J	ND	ND	ND	ND	ND	0.028
Copper, SPLP	0.65	0.21	0.06	0.018 J	ND	0.025	ND	ND	0.074
Iron, SPLP	5	190	67	17	6.2	8.5	ND	ND	78
Lead, SPLP	0.0075	0.11	0.025	ND	ND	ND	ND	ND	0.035
Manganese, SPLP	0.15	2.5	0.28	0.14	0.044	0.22	ND	0.043	0.73
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.3	0.063	0.018 J	ND	ND	ND	ND	0.075
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.48 J	0.16 J	0.043 J	0.02 J	0.67	ND	ND	0.2 J

Summary Table - I-80 ROW - Median (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location	Reference Concentrations (MAC Table)	M-11	M-11	M-11	M-11	M-12	M-12	M-12
Field Sample ID		M-11(0-5)-032123	M-11(5-10)-032123	M-11(5-10)-032123D	M-11(10-15)-032123	M-12(0-5)-032123	M-12(5-10)-032123	M-12(10-15)-032123
Sample Date		3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
Laboratory pH	<6.25, >9.0	8.1 J	7.4	8.1	8.1	8.0	7.9	6.9
VOCs (mg/kg)								
Acetone	25	0.027	0.052	0.04	0.022	0.017 J	0.064	0.47 J
Benzene	0.03	ND	ND	ND	ND	ND	ND	0.0015 J
Carbon disulfide	9	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	---	ND	0.0056	0.0056	ND	ND	0.0093	0.062
Toluene	12	ND	ND	ND	ND	ND	ND	0.0014 J
Xylene (Total)	5.6	ND	ND	ND	ND	ND	ND	0.0036 J
SVOCs (mg/kg)								
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	0.12	0.073 J
Acenaphthene	570	ND	ND	ND	ND	ND	0.011 J	ND
Anthracene	12000	0.0065 J	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	0.03 J	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.09 / 11 / 2.1	0.051	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9 / 13 / 2.1	0.063	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	---	0.036 J	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	9	0.043	ND	ND	ND	ND	ND	ND
Chrysene	88	0.05	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	0.071	ND	0.0071 J	ND	ND	0.0081 J	0.011 J
Fluorene	560	ND	ND	ND	ND	ND	0.0089 J	ND
Hexachlorobenzene	0.4	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	0.028 J	ND	ND	ND	ND	ND	ND
Naphthalene	1.8	ND	ND	ND	ND	ND	0.017 J	0.057
Phenanthrene	---	0.04	ND	0.0056 J	ND	ND	0.032 J	0.0075 J
Pyrene	2300	0.06	ND	ND	ND	ND	0.01 J	0.0084 J
Total Metals (mg/kg)								
Aluminum, Total	---	11000	7100	7900	2700	3600	3600	11000
Antimony, Total	5	ND	0.27 J	ND	ND	ND	0.29 J	ND
Arsenic, Total	11.3 / 13	7.1	6.2	5.5	5.5	4	7.5	5.6
Barium, Total	1500	110	60	61	17	23	840	120
Beryllium, Total	22	0.66	0.57	0.58	0.46	0.45	0.46	0.73
Cadmium, Total	5.2	0.32	0.17	0.2	0.11 J	0.16	0.098 J	0.24
Calcium, Total	---	7400 B	57000 J	33000 J	97000 B	99000 B	89000 B	18000 B
Chromium, Total	21	13	8.2	8.9	4.2	5.2	5	12
Cobalt, Total	20	9.7	8.5	12	10	6.7	8	8.1
Copper, Total	2900	14 B	9.9 B	9.9 B	9.2 B	6.6 B	9.1 B	14 B
Iron, Total	15000 / 15900	16000	12000	12000	13000	13000	15000	14000
Lead, Total	107	27	17	19	21	12	20	18
Magnesium, Total	325000	4800	28000	21000	57000	61000	53000	12000
Manganese, Total	630 / 636	280	210	170	330	310	330	340
Mercury, Total	0.89	0.035	0.028	0.024	0.021	0.024	0.029	0.03
Nickel, Total	100	16	15	24	18	11	17	16
Potassium, Total	---	960	840	920	1400	1100	1200	880
Selenium, Total	1.3	0.38 J	ND	ND	ND	ND	ND	ND
Silver, Total	4.4	0.37	0.33	0.33	0.31	0.27 J	0.31	0.42
Sodium, Total	---	1400	780	780	290	260	180	110
Thallium, Total	2.6	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	550	24	16	17	6.4	8.4	8	23
Zinc, Total	5100	67	31	36	12	15	19	48

**Summary Table - I-80 ROW - Median (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	M-11	M-11	M-11	M-11	M-12	M-12	M-12
Field Sample ID		M-11(0-5)-032123	M-11(5-10)-032123	M-11(5-10)-032123D	M-11(10-15)-032123	M-12(0-5)-032123	M-12(5-10)-032123	M-12(10-15)-032123
Sample Date		3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)								
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.58	0.4 J	0.49 J	0.18 J	0.34 J	0.63	0.4 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	0.0025 J	ND	ND	0.0023 J	0.0024 J	ND	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.028	0.04	0.044	0.064	0.09	0.05	0.041
Copper, TCLP	0.65	ND	0.01 J	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	0.25 J	ND	2.7	0.75	0.21 J
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	7.5	9.7	8.6	3	7.8	8.6	5.9
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.025	0.042	0.041	0.11	0.09	0.055	0.047
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	0.069 J	ND	0.022 J	ND	0.1 J	0.02 J	0.04 J
SPLP Metals (mg/l)								
Arsenic, SPLP	0.05	0.034 J	0.018 J	0.017 J	ND	ND	ND	0.015 J
Barium, SPLP	2	0.76	0.18 J	0.28 J	ND	ND	0.11 J	0.34 J
Beryllium, SPLP	0.004	0.0054	ND	0.0041	ND	ND	ND	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.12	0.049	0.069	0.011 J	ND	0.023 J	0.067
Cobalt, SPLP	1	0.02 J	0.02 J	0.023 J	ND	ND	ND	0.023 J
Copper, SPLP	0.65	0.09	0.055	0.052	ND	ND	0.013 J	0.049
Iron, SPLP	5	120	53	65	8.5	4.6	19	60
Lead, SPLP	0.0075	0.081	0.039	0.045	ND	ND	0.013	0.045
Manganese, SPLP	0.15	0.83	0.42	0.64	0.077	0.04	0.12	0.46
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.081	0.05	0.053	ND	ND	0.014 J	0.05
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.49 J	0.12 J	0.2 J	ND	ND	0.033 J	0.14 J

Summary Table - I-80 ROW - Median (ISGS Site No. 2233V3-1)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location Field Sample ID Sample Date ISGS Site No	Reference Concentrations (MAC Table)	M-13	M-14	M-15	M-15	M-15	M-15	M-16	M-16
		M-13(0-5)-032323	M-14(0-5)-032323	M-15(0-5)-032323	M-15(0-5)-032323D	M-15(5-10)-032323	M-15(10-15)-032323	M-16(0-5)-032323	M-16(5-10)-032323
		3/23/2023	3/23/2023	3/23/2023	3/23/2023	3/23/2023	3/23/2023	3/23/2023	3/23/2023
Laboratory pH	<6.25, >9.0	9.0	8.8	8.9	8.8	7.8	7.7	8.6	6.9
VOCs (mg/kg)									
Acetone	25	ND	ND	ND	0.029	0.075	0.095	0.035	0.023
Benzene	0.03	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	9	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	---	ND	ND	ND	ND	0.011	0.018	ND	ND
Toluene	12	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (Total)	5.6	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (mg/kg)									
2-Methylnaphthalene	---	ND	ND	0.012 J	ND	ND	ND	ND	ND
Acenaphthene	570	ND	0.0081 J	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	0.019 J	0.012 J	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	0.04 J	0.14	0.066	0.024 J	ND	ND	ND	0.022 J
Benzo(a)pyrene	0.09 / 11 / 2.1	0.089 *3	0.2 J	0.15 J	0.046 J	ND	ND	0.0083 J	0.035 J
Benzo(b)fluoranthene	0.9 / 13 / 2.1	0.12 *3	0.31 J	0.19 J	0.062 J	ND	ND	0.0089 J	0.065
Benzo(g,h,i)perylene	---	0.042 J	0.075 J	0.048 J	0.018 J	ND	ND	ND	0.022 J
Benzo(k)fluoranthene	9	0.039 J	0.11 J	0.075 J	0.02 J	ND	ND	ND	0.018 J
Chrysene	88	0.063 J	0.18	0.092	0.036 J	ND	ND	ND	0.034 J
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	0.016 J	0.028 J	0.019 J	0.0086 J	ND	ND	ND	ND
Fluoranthene	3100	0.059 J	0.28	0.097	0.034 J	ND	ND	ND	0.047
Fluorene	560	ND	0.0057 J	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.4	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	0.061 J	0.1 J	0.061 J	0.021 J	ND	ND	ND	0.027 J
Naphthalene	1.8	ND	ND	0.0064 J	ND	ND	ND	ND	ND
Phenanthrene	---	0.027 J	0.12	0.054	0.017 J	ND	0.018 J	ND	0.023 J
Pyrene	2300	0.069 J	0.26	0.11 J	0.034 J	ND	ND	ND	0.041
Total Metals (mg/kg)									
Aluminum, Total	---	3700	4700	4600	3600	4000	4100	6200	5400
Antimony, Total	5	0.44 J	0.36 J	0.26 J	0.25 J	0.31 J	0.26 J	0.32 J	0.39 J
Arsenic, Total	11.3 / 13	9 J	5.7	4.1	4.1	6.6	4.9	5.7	5.9
Barium, Total	1500	48 J	39	38	27	24	28	69	48
Beryllium, Total	22	0.48	0.51	0.51	0.45	0.47	0.45	0.53	0.49
Cadmium, Total	5.2	0.026 J	0.029 J	0.098 J	ND	ND	ND	ND	ND
Calcium, Total	---	86000	88000	91000	100000	85000	84000	100000	100000
Chromium, Total	21	8.4 J	20	9.3	6.4	7	6	8.3	19
Cobalt, Total	20	6.2	6.2	5.9	5.3	7.1	5.7	8.3	6.9
Copper, Total	2900	11 B	12 B	13 B	8.2 B	9.9 B	6.3 B	12 B	14 B
Iron, Total	15000 / 15900	15000	14000	12000	11000	13000	11000	15000	15000
Lead, Total	107	81	33	55 J	23 J	14	14	11	14
Magnesium, Total	325000	51000 B	52000 B	53000 B	60000 B	50000 B	51000 B	59000 B	62000 B
Manganese, Total	630 / 636	340 J	410	320	320	280	300	430	430
Mercury, Total	0.89	0.026	0.032	0.024	0.022	0.022	0.025	0.034	0.023
Nickel, Total	100	12	15	13	11	13	13	14	17
Potassium, Total	---	1000 J	1200	1200	1100	1100	1100	760	920
Selenium, Total	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Silver, Total	4.4	0.22 J	0.19 J	0.21 J	0.19 J	0.2 J	0.17 J	0.19 J	0.13 J
Sodium, Total	---	310	1200	550	480	290	420	790	410
Thallium, Total	2.6	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	550	9.4	12	10	9.1	9.6	9.1	14	15
Zinc, Total	5100	46 J	42	41	26	17	15	33	45

**Summary Table - I-80 ROW - Median (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	M-13	M-14	M-15	M-15	M-15	M-15	M-16	M-16
Field Sample ID		M-13(0-5)-032323	M-14(0-5)-032323	M-15(0-5)-032323	M-15(0-5)-032323D	M-15(5-10)-032323	M-15(10-15)-032323	M-16(0-5)-032323	M-16(5-10)-032323
Sample Date		3/23/2023	3/23/2023	3/23/2023	3/23/2023	3/23/2023	3/23/2023	3/23/2023	3/23/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)									
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.34 J	0.35 J	0.3 J	0.25 J	0.37 J	0.32 J	0.35 J	0.49 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	ND	ND	ND	ND	0.024 J	0.03	ND	0.022 J
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	0.21 J	ND	ND	ND	ND	ND	ND	0.45
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	0.069	0.4	0.5	1.6	4.2	6.7	3.4	8.3
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	ND	ND	ND	0.034	0.034	ND	0.039
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	0.055 J	ND	0.02 J	ND	ND	0.021 J	ND	0.021 J
SPLP Metals (mg/l)									
Arsenic, SPLP	0.05	0.024 J	0.058	0.028 J	0.021 J	ND	0.013 J	0.038 J	ND
Barium, SPLP	2	0.21 J	0.52	0.25 J	0.2 J	0.067 J	0.088 J	0.43 J	0.06 J
Beryllium, SPLP	0.004	ND	0.0085	0.0058	0.0044	ND	ND	0.0054	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.064	0.15	0.096	0.072	0.019 J	0.035	0.11	0.017 J
Cobalt, SPLP	1	0.013 J	0.049	0.025	0.018 J	ND	0.013 J	0.034	ND
Copper, SPLP	0.65	0.04	0.12	0.069	0.048	0.014 J	0.022 J	0.1	0.016 J
Iron, SPLP	5	53	160	87	67	13	31	120	15
Lead, SPLP	0.0075	0.14	0.29	0.15	0.081	0.012	0.041	0.064	0.0085
Manganese, SPLP	0.15	0.41	1	0.55	0.41	0.12	0.25	0.78	0.11
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.038	0.15	0.074	0.054	0.013 J	0.034	0.089	0.012 J
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.2 J	0.55	0.23 J	0.16 J	0.031 J	0.039 J	0.33 J	0.035 J

**Summary Table - I-80 ROW - Median (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	M-17	M-17	M-17	M-19	M-20	M-21
Field Sample ID		M-17(0-5)-032323	M-17(5-10)-032323	M-17(5-10)-032323D	M-19(0-5)-032123	M-20(0-5)-032123	M-21(0-5)-032123
Sample Date		3/23/2023	3/23/2023	3/23/2023	3/21/2023	3/21/2023	3/21/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
Laboratory pH	<6.25, >9.0	8.5	8.5	8.4	8.6	8.5	8.6
VOCs (mg/kg)							
Acetone	25	ND	0.13	0.039	ND	ND	ND
Benzene	0.03	ND	ND	ND	ND	ND	ND
Carbon disulfide	9	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	---	ND	0.022 J	0.008	ND	ND	ND
Toluene	12	ND	ND	ND	ND	ND	ND
Xylene (Total)	5.6	ND	ND	ND	ND	ND	ND
SVOCs (mg/kg)							
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	ND	ND	0.009 J	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	ND	ND	ND	0.051	0.032 J	ND
Benzo(a)pyrene	0.09 / 11 / 2.1	0.012 J	ND	ND	0.084	0.053	ND
Benzo(b)fluoranthene	0.9 / 13 / 2.1	0.0094 J	ND	ND	0.13	0.072	ND
Benzo(g,h,i)perylene	---	ND	ND	ND	0.047	0.03 J	ND
Benzo(k)fluoranthene	9	ND	ND	ND	0.041 J	0.021 J	ND
Chrysene	88	0.012 J	ND	ND	0.074	0.042	ND
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	ND	ND	ND	ND	0.011 J	ND
Fluoranthene	3100	ND	ND	ND	0.12	0.065	ND
Fluorene	560	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.4	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	ND	ND	ND	0.04 J	0.032 J	ND
Naphthalene	1.8	ND	ND	ND	ND	ND	ND
Phenanthrene	---	ND	ND	ND	0.036 J	0.024 J	ND
Pyrene	2300	0.0077 J	ND	ND	0.11	0.055	ND
Total Metals (mg/kg)							
Aluminum, Total	---	5400	6700	4800	9100	7200	6500
Antimony, Total	5	0.4 J	0.35 J	0.25 J	0.45 J	0.37 J	0.3 J
Arsenic, Total	11.3 / 13	4.7	6.9	5.2	5.6	11	5.4
Barium, Total	1500	39	49	32	83	67	53
Beryllium, Total	22	0.48	0.55	0.48	0.75	0.62	0.56
Cadmium, Total	5.2	ND	ND	0.14	0.46	0.37	0.22
Calcium, Total	---	94000	76000	97000	27000 B	59000 B	84000 B
Chromium, Total	21	12	9.7	6.9	14	10	9.6
Cobalt, Total	20	5.9	7	5.2	9.4	10	7.4
Copper, Total	2900	10 B	12 B	8.6 B	21	19	12
Iron, Total	15000 / 15900	15000	15000	12000	19000 B	19000 B	17000 B
Lead, Total	107	13	15	11	29	32	11
Magnesium, Total	325000	56000 B	46000 B	59000 B	18000	32000	48000
Manganese, Total	630 / 636	350	340	320	510 B	480 B	400 B
Mercury, Total	0.89	0.024	0.025	0.03	0.035	0.036	0.044
Nickel, Total	100	14	16	12	20	19	15
Potassium, Total	---	810	850	880	970	910	770
Selenium, Total	1.3	ND	ND	ND	ND	ND	0.36 J
Silver, Total	4.4	0.17 J	0.2 J	0.17 J	0.4	0.31	0.23 J
Sodium, Total	---	470	440	410	1700	1200	1500
Thallium, Total	2.6	ND	ND	ND	ND	ND	ND
Vanadium, Total	550	14	16	12	16	16	17
Zinc, Total	5100	27	31	20	88	69	30

**Summary Table - I-80 ROW - Median (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	M-17	M-17	M-17	M-19	M-20	M-21
Field Sample ID		M-17(0-5)-032323	M-17(5-10)-032323	M-17(5-10)-032323D	M-19(0-5)-032123	M-20(0-5)-032123	M-21(0-5)-032123
Sample Date		3/23/2023	3/23/2023	3/23/2023	3/21/2023	3/21/2023	3/21/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)							
Arsenic, TCLP	0.05	0.011 J	ND	0.013 J	ND	ND	ND
Barium, TCLP	2	0.38 J	0.33 J	0.43 J	0.4 J	0.45 J	0.31 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	ND	0.002 J	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.014 J	0.018 J	0.018 J	ND	ND	ND
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	0.22 J	0.25 J	ND
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	5.8	4.7	5.2	1.1	1.1	0.46
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.014 J	0.024 J	0.02 J	ND	ND	ND
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	0.025 J	ND	0.024 J	0.022 J	ND
SPLP Metals (mg/l)							
Arsenic, SPLP	0.05	0.032 J	0.016 J	0.012 J	0.037 J	0.049 J	0.039 J
Barium, SPLP	2	0.29 J	0.15 J	0.1 J	0.59	0.59	0.49 J
Beryllium, SPLP	0.004	0.0043	ND	ND	0.0075	0.0075	0.007
Cadmium, SPLP	0.005	ND	ND	ND	0.0021 J	ND	ND
Chromium, SPLP	0.1	0.087	0.044	0.035	0.17	0.16	0.16
Cobalt, SPLP	1	0.025	0.012 J	0.01 J	0.038	0.035	0.032
Copper, SPLP	0.65	0.07	0.036	0.025	0.11	0.12	0.1
Iron, SPLP	5	96	40	31	170	170	150
Lead, SPLP	0.0075	0.07	0.032	0.027	0.11	0.11	0.055
Manganese, SPLP	0.15	0.67	0.3	0.24	0.73	0.84	0.73
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.071	0.033	0.028	0.1	0.12	0.11
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.27 J	0.092 J	0.063 J	0.69	0.6	0.35 J


Notes and Abbreviations:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

 Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 3/31/2023 8:47:17 AM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231021-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231021-1	M-1(0-5)-032023	Solid	03/20/23 21:00	03/21/23 15:00
500-231021-2	M-1(5-10)-032023	Solid	03/20/23 21:05	03/21/23 15:00
500-231021-3	M-2(0-5)-032023	Solid	03/20/23 21:50	03/21/23 15:00
500-231021-4	M-2(5-10)-032023	Solid	03/20/23 21:55	03/21/23 15:00
500-231021-5	M-2(10-15)-032023	Solid	03/20/23 22:00	03/21/23 15:00
500-231021-6	DR-2(0-5)-032023	Solid	03/20/23 22:15	03/21/23 15:00
500-231021-7	DR-2(5-10)-032023	Solid	03/20/23 22:20	03/21/23 15:00
500-231021-8	DR-5(0-5)-032023	Solid	03/20/23 22:40	03/21/23 15:00
500-231021-9	DR-5(5-10)-032023	Solid	03/20/23 22:45	03/21/23 15:00
500-231021-10	DR-5(5-10)-032023D	Solid	03/20/23 22:45	03/21/23 15:00
500-231021-11	M-3(0-5)-032023	Solid	03/20/23 23:05	03/21/23 15:00
500-231021-12	M-4(0-5)-032023	Solid	03/20/23 23:35	03/21/23 15:00
500-231021-13	M-4(5-10)-032023	Solid	03/20/23 23:40	03/21/23 15:00
500-231021-14	M-5(0-5)-032123	Solid	03/21/23 00:00	03/21/23 15:00
500-231021-15	M-5(5-10)-032123	Solid	03/21/23 00:05	03/21/23 15:00
500-231021-16	M-6(0-5)-032123	Solid	03/21/23 00:40	03/21/23 15:00
500-231021-17	M-6(5-10)-032123	Solid	03/21/23 00:45	03/21/23 15:00
500-231021-18	M-6(10-15)-032123	Solid	03/21/23 00:50	03/21/23 15:00
500-231021-19	M-7(0-5)-032123	Solid	03/21/23 01:10	03/21/23 15:00
500-231021-20	M-7(5-10)-032123	Solid	03/21/23 01:15	03/21/23 15:00



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-1(0-5)-032023

Lab Sample ID: 500-231021-1

Date Collected: 03/20/23 21:00

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 79.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0074	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
methyl isobutyl ketone	<0.0043	*1	0.0043	0.0013	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☆	03/21/23 17:18	03/23/23 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	03/21/23 17:18	03/23/23 15:08	1
Dibromofluoromethane (Surr)	110		75 - 126	03/21/23 17:18	03/23/23 15:08	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 134	03/21/23 17:18	03/23/23 15:08	1
Toluene-d8 (Surr)	105		75 - 124	03/21/23 17:18	03/23/23 15:08	1

Method: SW846 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	☆	03/24/23 13:02	03/27/23 19:31	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-1(0-5)-032023

Lab Sample ID: 500-231021-1

Date Collected: 03/20/23 21:00

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 79.7

Method: SW846 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	☆	03/24/23 13:02	03/27/23 19:31	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
2,4-Dinitrophenol	<0.81		0.81	0.70	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
2-Methylnaphthalene	<0.081		0.081	0.0073	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Benzo[a]anthracene	0.026	J	0.040	0.0054	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Benzo[a]pyrene	0.043	*3	0.040	0.0077	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Benzo[b]fluoranthene	0.068	*3	0.040	0.0086	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Benzo[g,h,i]perylene	0.022	J *3	0.040	0.013	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Benzo[k]fluoranthene	0.026	J *3	0.040	0.012	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Chrysene	0.038	J	0.040	0.011	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Dibenz(a,h)anthracene	<0.040	*3	0.040	0.0077	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Fluoranthene	0.057		0.040	0.0074	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☆	03/24/23 13:02	03/27/23 19:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-1(0-5)-032023

Lab Sample ID: 500-231021-1

Date Collected: 03/20/23 21:00

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 79.7

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.027	J*3	0.040	0.010	mg/Kg	☼	03/24/23 13:02	03/27/23 19:31	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	03/24/23 13:02	03/27/23 19:31	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	03/24/23 13:02	03/27/23 19:31	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	03/24/23 13:02	03/27/23 19:31	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	03/24/23 13:02	03/27/23 19:31	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	03/24/23 13:02	03/27/23 19:31	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	03/24/23 13:02	03/27/23 19:31	1
Phenanthrene	0.026	J	0.040	0.0056	mg/Kg	☼	03/24/23 13:02	03/27/23 19:31	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	03/24/23 13:02	03/27/23 19:31	1
Pyrene	0.057		0.040	0.0079	mg/Kg	☼	03/24/23 13:02	03/27/23 19:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol (Surr)</i>	52		31 - 143				03/24/23 13:02	03/27/23 19:31	1
<i>2-Fluorobiphenyl (Surr)</i>	76		43 - 145				03/24/23 13:02	03/27/23 19:31	1
<i>2-Fluorophenol (Surr)</i>	87		31 - 166				03/24/23 13:02	03/27/23 19:31	1
<i>Nitrobenzene-d5 (Surr)</i>	50		37 - 147				03/24/23 13:02	03/27/23 19:31	1
<i>Phenol-d5 (Surr)</i>	70		30 - 153				03/24/23 13:02	03/27/23 19:31	1
<i>Terphenyl-d14 (Surr)</i>	105		42 - 157				03/24/23 13:02	03/27/23 19:31	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 15:09	1
Barium	0.29	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 15:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 15:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 15:09	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:09	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:09	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:09	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:46	03/27/23 15:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 15:09	1
Manganese	0.33		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:09	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:09	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 15:09	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:09	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 15:09	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.023	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 18:50	1
Barium	0.32	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 18:50	1
Beryllium	0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 18:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 18:50	1
Chromium	0.11		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:50	1
Cobalt	0.017	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:50	1
Copper	0.097		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:50	1
Iron	110		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 18:50	1
Lead	0.024		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 18:50	1
Manganese	0.31		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:50	1
Nickel	0.068		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:50	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 18:50	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-1(0-5)-032023

Lab Sample ID: 500-231021-1

Date Collected: 03/20/23 21:00

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 79.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:50	1
Zinc	0.21	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 18:50	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8200		12	5.0	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Antimony	0.32	J F1	1.2	0.24	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Arsenic	12	F1	0.61	0.21	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Barium	63		0.61	0.070	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Beryllium	0.60		0.24	0.057	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Cadmium	0.35	B	0.12	0.022	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Calcium	66000	B	61	10	mg/Kg	☆	03/24/23 14:24	03/29/23 14:31	5
Chromium	11	F1	0.61	0.30	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Cobalt	9.1		0.31	0.080	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Copper	21		0.61	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Iron	22000		12	6.4	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Lead	29		0.31	0.14	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Magnesium	36000	B	6.1	3.0	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Manganese	520		0.61	0.089	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Nickel	20		0.61	0.18	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Potassium	950	F1	31	11	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Selenium	0.43	J F1	0.61	0.36	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Silver	0.26	J F1	0.31	0.079	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Sodium	330		61	9.1	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Thallium	<0.61		0.61	0.31	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Vanadium	20		0.31	0.072	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1
Zinc	83	F1	1.2	0.54	mg/Kg	☆	03/24/23 14:24	03/28/23 14:04	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 11:47	1

Method: SW846 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		03/24/23 13:55	03/27/23 08:29	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.019	0.010	mg/Kg	☆	03/24/23 17:10	03/27/23 09:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.2	0.2	SU			03/23/23 21:26	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-1(5-10)-032023

Lab Sample ID: 500-231021-2

Date Collected: 03/20/23 21:05

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 88.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.014		0.014	0.0063	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Benzene	<0.0014		0.0014	0.00037	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Bromoform	<0.0014		0.0014	0.00042	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Bromomethane	<0.0036		0.0036	0.0014	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Carbon disulfide	<0.0036		0.0036	0.00075	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Carbon tetrachloride	<0.0014		0.0014	0.00042	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Chlorobenzene	<0.0014		0.0014	0.00053	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Chloroform	<0.0014		0.0014	0.00050	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Chloromethane	<0.0036		0.0036	0.0014	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Dibromochloromethane	<0.0014		0.0014	0.00047	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00050	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Ethylbenzene	<0.0014		0.0014	0.00069	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
methyl isobutyl ketone	<0.0036	*1	0.0036	0.0011	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00046	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Tetrachloroethene	<0.0014		0.0014	0.00049	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00064	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00062	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Trichloroethene	<0.0014		0.0014	0.00049	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Vinyl chloride	<0.0014		0.0014	0.00064	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1
Xylenes, Total	<0.0029		0.0029	0.00046	mg/Kg	☆	03/21/23 17:18	03/23/23 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	03/21/23 17:18	03/23/23 15:32	1
Dibromofluoromethane (Surr)	110		75 - 126	03/21/23 17:18	03/23/23 15:32	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 134	03/21/23 17:18	03/23/23 15:32	1
Toluene-d8 (Surr)	107		75 - 124	03/21/23 17:18	03/23/23 15:32	1

Method: SW846 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	0.038	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
1,2-Dichlorobenzene	<0.18		0.18	0.042	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
1,4-Dichlorobenzene	<0.18		0.18	0.045	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.041	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-1(5-10)-032023

Lab Sample ID: 500-231021-2

Date Collected: 03/20/23 21:05

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 88.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.35		0.35	0.080	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
2,4,6-Trichlorophenol	<0.35		0.35	0.12	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
2,4-Dichlorophenol	<0.35		0.35	0.083	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
2,4-Dimethylphenol	<0.35		0.35	0.13	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
2,4-Dinitrophenol	<0.71		0.71	0.62	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
2,4-Dinitrotoluene	<0.18		0.18	0.056	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
2,6-Dinitrotoluene	<0.18		0.18	0.069	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
2-Chloronaphthalene	<0.18		0.18	0.039	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
2-Chlorophenol	<0.18		0.18	0.060	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
2-Methylnaphthalene	<0.071		0.071	0.0065	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
2-Methylphenol	<0.18		0.18	0.056	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
2-Nitroaniline	<0.18		0.18	0.047	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
2-Nitrophenol	<0.35		0.35	0.083	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
3 & 4 Methylphenol	<0.18		0.18	0.059	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.049	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
3-Nitroaniline	<0.35		0.35	0.11	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
4,6-Dinitro-2-methylphenol	<0.71		0.71	0.28	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.046	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
4-Chloro-3-methylphenol	<0.35		0.35	0.12	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
4-Chloroaniline	<0.71		0.71	0.16	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.041	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
4-Nitroaniline	<0.35		0.35	0.15	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
4-Nitrophenol	<0.71		0.71	0.33	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Acenaphthene	<0.035		0.035	0.0063	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Acenaphthylene	<0.035		0.035	0.0046	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Anthracene	<0.035		0.035	0.0059	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Benzo[a]anthracene	0.0070	J	0.035	0.0047	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Benzo[a]pyrene	0.0097	J	0.035	0.0068	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Benzo[b]fluoranthene	0.014	J	0.035	0.0076	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Benzo[g,h,i]perylene	<0.035		0.035	0.011	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Benzo[k]fluoranthene	<0.035		0.035	0.010	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.036	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.053	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.064	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Butyl benzyl phthalate	<0.18		0.18	0.067	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Carbazole	<0.18		0.18	0.088	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Chrysene	<0.035		0.035	0.0096	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Dibenz(a,h)anthracene	<0.035		0.035	0.0068	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Dibenzofuran	<0.18		0.18	0.041	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Diethyl phthalate	<0.18		0.18	0.060	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Dimethyl phthalate	<0.18		0.18	0.046	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Di-n-butyl phthalate	<0.18		0.18	0.053	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Di-n-octyl phthalate	<0.18		0.18	0.057	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Fluoranthene	0.0089	J	0.035	0.0065	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Fluorene	0.0080	J	0.035	0.0049	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Hexachlorobenzene	0.019	J	0.071	0.0081	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Hexachlorobutadiene	<0.18		0.18	0.055	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Hexachlorocyclopentadiene	<0.71		0.71	0.20	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1
Hexachloroethane	<0.18		0.18	0.053	mg/Kg	☆	03/24/23 13:02	03/27/23 19:09	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-1(5-10)-032023

Lab Sample ID: 500-231021-2

Date Collected: 03/20/23 21:05

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 88.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.035		0.035	0.0091	mg/Kg	☼	03/24/23 13:02	03/27/23 19:09	1
Isophorone	<0.18		0.18	0.039	mg/Kg	☼	03/24/23 13:02	03/27/23 19:09	1
Naphthalene	<0.035		0.035	0.0054	mg/Kg	☼	03/24/23 13:02	03/27/23 19:09	1
Nitrobenzene	<0.035		0.035	0.0088	mg/Kg	☼	03/24/23 13:02	03/27/23 19:09	1
N-Nitrosodi-n-propylamine	<0.071		0.071	0.043	mg/Kg	☼	03/24/23 13:02	03/27/23 19:09	1
N-Nitrosodiphenylamine	<0.18		0.18	0.041	mg/Kg	☼	03/24/23 13:02	03/27/23 19:09	1
Pentachlorophenol	<0.71		0.71	0.56	mg/Kg	☼	03/24/23 13:02	03/27/23 19:09	1
Phenanthrene	0.0098	J	0.035	0.0049	mg/Kg	☼	03/24/23 13:02	03/27/23 19:09	1
Phenol	<0.18		0.18	0.078	mg/Kg	☼	03/24/23 13:02	03/27/23 19:09	1
Pyrene	0.0071	J	0.035	0.0070	mg/Kg	☼	03/24/23 13:02	03/27/23 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	48		31 - 143				03/24/23 13:02	03/27/23 19:09	1
2-Fluorobiphenyl (Surr)	70		43 - 145				03/24/23 13:02	03/27/23 19:09	1
2-Fluorophenol (Surr)	89		31 - 166				03/24/23 13:02	03/27/23 19:09	1
Nitrobenzene-d5 (Surr)	46		37 - 147				03/24/23 13:02	03/27/23 19:09	1
Phenol-d5 (Surr)	84		30 - 153				03/24/23 13:02	03/27/23 19:09	1
Terphenyl-d14 (Surr)	83		42 - 157				03/24/23 13:02	03/27/23 19:09	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 15:12	1
Barium	0.19	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 15:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 15:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 15:12	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:12	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:12	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:12	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:46	03/27/23 15:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 15:12	1
Manganese	1.0		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:12	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:12	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 15:12	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:12	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 15:12	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 18:53	1
Barium	<0.50		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 18:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 18:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 18:53	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:53	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:53	1
Copper	0.011	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:53	1
Iron	7.7		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 18:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 18:53	1
Manganese	0.027		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:53	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:53	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 18:53	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-1(5-10)-032023

Lab Sample ID: 500-231021-2

Date Collected: 03/20/23 21:05

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 88.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:53	1
Zinc	0.030	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 18:53	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7900		11	4.4	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Antimony	<1.1		1.1	0.21	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Arsenic	5.7		0.54	0.18	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Barium	52		0.54	0.061	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Beryllium	0.50		0.21	0.050	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Cadmium	0.21	B	0.11	0.019	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Calcium	56000	B	54	9.1	mg/Kg	☆	03/24/23 14:24	03/29/23 14:46	5
Chromium	11		0.54	0.27	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Cobalt	7.6		0.27	0.070	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Copper	26		0.54	0.15	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Iron	16000		11	5.6	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Lead	12		0.27	0.12	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Magnesium	30000	B	5.4	2.7	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Manganese	360		0.54	0.078	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Nickel	19		0.54	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Potassium	750		27	9.5	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Selenium	<0.54		0.54	0.32	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Silver	0.27		0.27	0.069	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Sodium	470		54	7.9	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Thallium	<0.54		0.54	0.27	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Vanadium	25		0.27	0.063	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1
Zinc	43		1.1	0.47	mg/Kg	☆	03/24/23 14:24	03/28/23 14:20	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 11:49	1

Method: SW846 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		03/24/23 13:55	03/27/23 08:32	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.017		0.017	0.0092	mg/Kg	☆	03/24/23 17:10	03/27/23 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4		0.2	0.2	SU			03/23/23 21:31	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-2(0-5)-032023

Lab Sample ID: 500-231021-3

Date Collected: 03/20/23 21:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 80.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0070	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
1,2-Dichloroethane	<0.0040		0.0040	0.0013	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
2-Hexanone	<0.0040		0.0040	0.0013	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
methyl isobutyl ketone	<0.0040	*1	0.0040	0.0012	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☆	03/21/23 17:18	03/23/23 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	03/21/23 17:18	03/23/23 15:56	1
Dibromofluoromethane (Surr)	112		75 - 126	03/21/23 17:18	03/23/23 15:56	1
1,2-Dichloroethane-d4 (Surr)	114		70 - 134	03/21/23 17:18	03/23/23 15:56	1
Toluene-d8 (Surr)	107		75 - 124	03/21/23 17:18	03/23/23 15:56	1

Method: SW846 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	☆	03/28/23 13:22	03/29/23 13:43	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-2(0-5)-032023

Lab Sample ID: 500-231021-3

Date Collected: 03/20/23 21:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 80.3

Method: SW846 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	☆	03/28/23 13:22	03/29/23 13:43	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
2-Methylnaphthalene	<0.082		0.082	0.0074	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
4-Nitrophenol	<0.82		0.82	0.38	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☆	03/28/23 13:22	03/29/23 13:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-2(0-5)-032023

Lab Sample ID: 500-231021-3

Date Collected: 03/20/23 21:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 80.3

Method: SW846 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	☼	03/28/23 13:22	03/29/23 13:43	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	03/28/23 13:22	03/29/23 13:43	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	03/28/23 13:22	03/29/23 13:43	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	03/28/23 13:22	03/29/23 13:43	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.049	mg/Kg	☼	03/28/23 13:22	03/29/23 13:43	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	03/28/23 13:22	03/29/23 13:43	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	03/28/23 13:22	03/29/23 13:43	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	03/28/23 13:22	03/29/23 13:43	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	03/28/23 13:22	03/29/23 13:43	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	03/28/23 13:22	03/29/23 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	133		31 - 143	03/28/23 13:22	03/29/23 13:43	1
2-Fluorobiphenyl (Surr)	83		43 - 145	03/28/23 13:22	03/29/23 13:43	1
2-Fluorophenol (Surr)	94		31 - 166	03/28/23 13:22	03/29/23 13:43	1
Nitrobenzene-d5 (Surr)	64		37 - 147	03/28/23 13:22	03/29/23 13:43	1
Phenol-d5 (Surr)	79		30 - 153	03/28/23 13:22	03/29/23 13:43	1
Terphenyl-d14 (Surr)	105		42 - 157	03/28/23 13:22	03/29/23 13:43	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 15:16	1
Barium	0.64		0.50	0.050	mg/L		03/24/23 16:46	03/27/23 15:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 15:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 15:16	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:16	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:16	1
Copper	0.011 J		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:16	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:46	03/27/23 15:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 15:16	1
Manganese	0.49		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:16	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:16	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 15:16	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:16	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 15:16	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.062		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 18:56	1
Barium	0.62		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 18:56	1
Beryllium	0.0067		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 18:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 18:56	1
Chromium	0.15		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:56	1
Cobalt	0.033		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:56	1
Copper	0.15		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:56	1
Iron	170		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 18:56	1
Lead	0.060		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 18:56	1
Manganese	0.87		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:56	1
Nickel	0.15		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:56	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 18:56	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-2(0-5)-032023

Lab Sample ID: 500-231021-3

Date Collected: 03/20/23 21:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 80.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:56	1
Zinc	0.43	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 18:56	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9300		12	5.0	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Antimony	0.34	J	1.2	0.24	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Arsenic	11		0.62	0.21	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Barium	77		0.62	0.070	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Beryllium	0.69		0.25	0.057	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Cadmium	0.26	B	0.12	0.022	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Calcium	26000	B	12	2.1	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Chromium	13		0.62	0.30	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Cobalt	13		0.31	0.081	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Copper	21		0.62	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Iron	20000		12	6.4	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Lead	19		0.31	0.14	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Magnesium	16000	B	6.2	3.1	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Manganese	480		0.62	0.089	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Nickel	26		0.62	0.18	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Potassium	1200		31	11	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Selenium	0.37	J	0.62	0.36	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Silver	0.47		0.31	0.079	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Sodium	800		62	9.1	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Thallium	<0.62		0.62	0.31	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Vanadium	25		0.31	0.073	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1
Zinc	62		1.2	0.54	mg/Kg	☆	03/24/23 14:24	03/28/23 14:23	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 11:51	1

Method: SW846 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		03/24/23 13:55	03/27/23 08:34	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.020	0.010	mg/Kg	☆	03/24/23 17:10	03/27/23 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.2	0.2	SU			03/23/23 21:36	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-2(5-10)-032023

Lab Sample ID: 500-231021-4

Date Collected: 03/20/23 21:55

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 84.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.014		0.014	0.0062	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Bromoform	<0.0014		0.0014	0.00041	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Bromomethane	<0.0035		0.0035	0.0013	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Carbon disulfide	<0.0035		0.0035	0.00073	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Chlorobenzene	<0.0014		0.0014	0.00052	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Chloroethane	<0.0035		0.0035	0.0010	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Chloroform	<0.0014		0.0014	0.00049	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Chloromethane	<0.0035		0.0035	0.0014	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00039	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Dibromochloromethane	<0.0014		0.0014	0.00046	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
1,1-Dichloroethane	<0.0014		0.0014	0.00048	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
1,2-Dichloroethane	<0.0035		0.0035	0.0011	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00050	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
2-Hexanone	<0.0035		0.0035	0.0011	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Methylene Chloride	<0.0035		0.0035	0.0014	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Methyl Ethyl Ketone	<0.0035		0.0035	0.0016	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
methyl isobutyl ketone	<0.0035	*1	0.0035	0.0010	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00041	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00045	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Tetrachloroethene	<0.0014		0.0014	0.00048	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00047	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1
Xylenes, Total	<0.0028		0.0028	0.00045	mg/Kg	☆	03/21/23 17:18	03/23/23 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		75 - 131	03/21/23 17:18	03/23/23 16:21	1
Dibromofluoromethane (Surr)	113		75 - 126	03/21/23 17:18	03/23/23 16:21	1
1,2-Dichloroethane-d4 (Surr)	112		70 - 134	03/21/23 17:18	03/23/23 16:21	1
Toluene-d8 (Surr)	107		75 - 124	03/21/23 17:18	03/23/23 16:21	1

Method: SW846 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	☆	03/28/23 13:22	03/29/23 14:07	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	03/28/23 13:22	03/29/23 14:07	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	03/28/23 13:22	03/29/23 14:07	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☆	03/28/23 13:22	03/29/23 14:07	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	03/28/23 13:22	03/29/23 14:07	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-2(5-10)-032023

Lab Sample ID: 500-231021-4

Date Collected: 03/20/23 21:55

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 84.8

Method: SW846 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	✱	03/28/23 13:22	03/29/23 14:07	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Benzo[b]fluoranthene	<0.038		0.038	0.0081	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✱	03/28/23 13:22	03/29/23 14:07	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-2(5-10)-032023

Lab Sample ID: 500-231021-4

Date Collected: 03/20/23 21:55

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 84.8

Method: SW846 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	☼	03/28/23 13:22	03/29/23 14:07	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	03/28/23 13:22	03/29/23 14:07	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	03/28/23 13:22	03/29/23 14:07	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	03/28/23 13:22	03/29/23 14:07	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	03/28/23 13:22	03/29/23 14:07	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	03/28/23 13:22	03/29/23 14:07	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	03/28/23 13:22	03/29/23 14:07	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	03/28/23 13:22	03/29/23 14:07	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	03/28/23 13:22	03/29/23 14:07	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	03/28/23 13:22	03/29/23 14:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	126		31 - 143				03/28/23 13:22	03/29/23 14:07	1
2-Fluorobiphenyl (Surr)	79		43 - 145				03/28/23 13:22	03/29/23 14:07	1
2-Fluorophenol (Surr)	96		31 - 166				03/28/23 13:22	03/29/23 14:07	1
Nitrobenzene-d5 (Surr)	61		37 - 147				03/28/23 13:22	03/29/23 14:07	1
Phenol-d5 (Surr)	83		30 - 153				03/28/23 13:22	03/29/23 14:07	1
Terphenyl-d14 (Surr)	106		42 - 157				03/28/23 13:22	03/29/23 14:07	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 15:19	1
Barium	0.31	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 15:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 15:19	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 15:19	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:19	1
Cobalt	0.063		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:19	1
Copper	0.015	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:19	1
Iron	0.23	J	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 15:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 15:19	1
Manganese	6.2		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:19	1
Nickel	0.053		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:19	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 15:19	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:19	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 15:19	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.062		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 18:59	1
Barium	0.17	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 18:59	1
Beryllium	0.0086		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 18:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 18:59	1
Chromium	0.10		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:59	1
Cobalt	0.049		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:59	1
Copper	0.10		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:59	1
Iron	120		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 18:59	1
Lead	0.19		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 18:59	1
Manganese	0.58		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:59	1
Nickel	0.14		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:59	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 18:59	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-2(5-10)-032023

Lab Sample ID: 500-231021-4

Date Collected: 03/20/23 21:55

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 84.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 18:59	1
Zinc	0.15	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 18:59	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4500		12	4.7	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Arsenic	4.7		0.58	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Barium	33		2.9	0.33	mg/Kg	☆	03/24/23 14:24	03/29/23 14:50	5
Beryllium	0.57		0.23	0.054	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Cadmium	0.27	B	0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Calcium	75000	B	58	9.8	mg/Kg	☆	03/24/23 14:24	03/29/23 14:50	5
Chromium	6.3		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Cobalt	8.1		0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Copper	11		0.58	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Iron	14000		58	30	mg/Kg	☆	03/24/23 14:24	03/29/23 14:50	5
Lead	19		0.29	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Magnesium	43000	B	29	14	mg/Kg	☆	03/24/23 14:24	03/29/23 14:50	5
Manganese	460		0.58	0.084	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Nickel	15		0.58	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Potassium	1800		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Silver	0.24	J	0.29	0.075	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Sodium	380		58	8.6	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Vanadium	8.9		0.29	0.069	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1
Zinc	20		1.2	0.51	mg/Kg	☆	03/24/23 14:24	03/28/23 14:26	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 11:57	1

Method: SW846 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		03/24/23 13:55	03/27/23 08:36	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.018	0.0096	mg/Kg	☆	03/24/23 17:10	03/27/23 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.2	0.2	SU			03/23/23 21:38	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-2(10-15)-032023

Lab Sample ID: 500-231021-5

Date Collected: 03/20/23 22:00

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 85.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.013	J	0.015	0.0067	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Carbon disulfide	0.00083	J	0.0038	0.00080	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Chlorobenzene	<0.0015		0.0015	0.00057	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
1,1-Dichloroethane	<0.0015		0.0015	0.00053	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
methyl isobutyl ketone	<0.0038	*1	0.0038	0.0011	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Toluene	0.00040	J	0.0015	0.00039	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	☼	03/21/23 17:18	03/23/23 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	03/21/23 17:18	03/23/23 16:46	1
Dibromofluoromethane (Surr)	111		75 - 126	03/21/23 17:18	03/23/23 16:46	1
1,2-Dichloroethane-d4 (Surr)	115		70 - 134	03/21/23 17:18	03/23/23 16:46	1
Toluene-d8 (Surr)	103		75 - 124	03/21/23 17:18	03/23/23 16:46	1

Method: SW846 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	☼	03/28/23 13:22	03/29/23 14:31	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	03/28/23 13:22	03/29/23 14:31	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	03/28/23 13:22	03/29/23 14:31	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	03/28/23 13:22	03/29/23 14:31	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	03/28/23 13:22	03/29/23 14:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-2(10-15)-032023

Lab Sample ID: 500-231021-5

Date Collected: 03/20/23 22:00

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 85.0

Method: SW846 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	☆	03/28/23 13:22	03/29/23 14:31	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☆	03/28/23 13:22	03/29/23 14:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-2(10-15)-032023

Lab Sample ID: 500-231021-5

Date Collected: 03/20/23 22:00

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 85.0

Method: SW846 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	☼	03/28/23 13:22	03/29/23 14:31	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	03/28/23 13:22	03/29/23 14:31	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	03/28/23 13:22	03/29/23 14:31	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	03/28/23 13:22	03/29/23 14:31	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	03/28/23 13:22	03/29/23 14:31	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	03/28/23 13:22	03/29/23 14:31	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	03/28/23 13:22	03/29/23 14:31	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	03/28/23 13:22	03/29/23 14:31	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	03/28/23 13:22	03/29/23 14:31	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	03/28/23 13:22	03/29/23 14:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	122		31 - 143				03/28/23 13:22	03/29/23 14:31	1
2-Fluorobiphenyl (Surr)	85		43 - 145				03/28/23 13:22	03/29/23 14:31	1
2-Fluorophenol (Surr)	108		31 - 166				03/28/23 13:22	03/29/23 14:31	1
Nitrobenzene-d5 (Surr)	66		37 - 147				03/28/23 13:22	03/29/23 14:31	1
Phenol-d5 (Surr)	89		30 - 153				03/28/23 13:22	03/29/23 14:31	1
Terphenyl-d14 (Surr)	108		42 - 157				03/28/23 13:22	03/29/23 14:31	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 15:22	1
Barium	0.22	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 15:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 15:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 15:22	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:22	1
Cobalt	0.026		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:22	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:22	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:46	03/27/23 15:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 15:22	1
Manganese	3.6		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:22	1
Nickel	0.053		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 15:22	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:22	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 15:22	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 19:03	1
Barium	0.11	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 19:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 19:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 19:03	1
Chromium	0.054		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:03	1
Cobalt	0.012	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:03	1
Copper	0.048		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:03	1
Iron	37		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 19:03	1
Lead	0.034		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 19:03	1
Manganese	0.27		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:03	1
Nickel	0.037		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:03	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 19:03	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-2(10-15)-032023

Lab Sample ID: 500-231021-5

Date Collected: 03/20/23 22:00

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 85.0

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:03	1
Zinc	0.089	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 19:03	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4800		12	4.8	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Arsenic	6.5		0.58	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Barium	31		2.9	0.33	mg/Kg	☆	03/24/23 14:24	03/29/23 15:20	5
Beryllium	0.45		0.23	0.054	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Cadmium	0.22	B	0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Calcium	99000	B	58	9.9	mg/Kg	☆	03/24/23 14:24	03/29/23 15:20	5
Chromium	7.6		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Cobalt	7.6		0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Copper	15		0.58	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Iron	14000		58	30	mg/Kg	☆	03/24/23 14:24	03/29/23 15:20	5
Lead	16		0.29	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Magnesium	60000	B	29	14	mg/Kg	☆	03/24/23 14:24	03/29/23 15:20	5
Manganese	320		0.58	0.084	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Nickel	17		0.58	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Potassium	1200		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Silver	0.19	J	0.29	0.075	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Sodium	440		58	8.6	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Vanadium	12		0.29	0.069	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1
Zinc	35		1.2	0.51	mg/Kg	☆	03/24/23 14:24	03/28/23 14:36	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 12:00	1

Method: SW846 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		03/24/23 13:55	03/27/23 08:38	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.017	0.0091	mg/Kg	☆	03/24/23 17:10	03/27/23 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.2	0.2	SU			03/24/23 14:31	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-3(0-5)-032023

Lab Sample ID: 500-231021-11

Date Collected: 03/20/23 23:05

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 88.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.022		0.016	0.0068	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Bromoform	<0.0016		0.0016	0.00045	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Chlorobenzene	<0.0016		0.0016	0.00057	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☆	03/21/23 17:18	03/23/23 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	03/21/23 17:18	03/23/23 18:26	1
Dibromofluoromethane (Surr)	96		75 - 126	03/21/23 17:18	03/23/23 18:26	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	03/21/23 17:18	03/23/23 18:26	1
Toluene-d8 (Surr)	90		75 - 124	03/21/23 17:18	03/23/23 18:26	1

Method: SW846 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	☆	03/28/23 13:22	03/29/23 16:54	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-3(0-5)-032023

Lab Sample ID: 500-231021-11

Date Collected: 03/20/23 23:05

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 88.1

Method: SW846 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	☆	03/28/23 13:22	03/29/23 16:54	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
2-Methylnaphthalene	<0.075		0.075	0.0069	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
4-Nitrophenol	<0.75		0.75	0.36	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Benzo[a]pyrene	<0.037		0.037	0.0072	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Hexachlorobenzene	<0.075		0.075	0.0087	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☆	03/28/23 13:22	03/29/23 16:54	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-3(0-5)-032023

Lab Sample ID: 500-231021-11

Date Collected: 03/20/23 23:05

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 88.1

Method: SW846 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	☼	03/28/23 13:22	03/29/23 16:54	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	03/28/23 13:22	03/29/23 16:54	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	03/28/23 13:22	03/29/23 16:54	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	03/28/23 13:22	03/29/23 16:54	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.046	mg/Kg	☼	03/28/23 13:22	03/29/23 16:54	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	03/28/23 13:22	03/29/23 16:54	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	03/28/23 13:22	03/29/23 16:54	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	03/28/23 13:22	03/29/23 16:54	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	03/28/23 13:22	03/29/23 16:54	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	03/28/23 13:22	03/29/23 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	130		31 - 143				03/28/23 13:22	03/29/23 16:54	1
2-Fluorobiphenyl (Surr)	87		43 - 145				03/28/23 13:22	03/29/23 16:54	1
2-Fluorophenol (Surr)	99		31 - 166				03/28/23 13:22	03/29/23 16:54	1
Nitrobenzene-d5 (Surr)	65		37 - 147				03/28/23 13:22	03/29/23 16:54	1
Phenol-d5 (Surr)	84		30 - 153				03/28/23 13:22	03/29/23 16:54	1
Terphenyl-d14 (Surr)	114		42 - 157				03/28/23 13:22	03/29/23 16:54	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 15:56	1
Barium	0.72		0.50	0.050	mg/L		03/24/23 16:46	03/27/23 15:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 15:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 15:56	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:56	1
Cobalt	0.011 J		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:56	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:56	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:46	03/27/23 15:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 15:56	1
Manganese	2.0		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:56	1
Nickel	0.016 J		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:56	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 15:56	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:56	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 15:56	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.034 J		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 19:28	1
Barium	0.25 J		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 19:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 19:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 19:28	1
Chromium	0.069		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:28	1
Cobalt	0.027		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:28	1
Copper	0.084		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:28	1
Iron	86		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 19:28	1
Lead	0.043		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 19:28	1
Manganese	0.71		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:28	1
Nickel	0.077		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:28	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 19:28	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-3(0-5)-032023

Lab Sample ID: 500-231021-11

Date Collected: 03/20/23 23:05

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 88.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:28	1
Zinc	0.26	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 19:28	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6900		11	4.6	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Antimony	0.24	J	1.1	0.22	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Arsenic	7.2		0.57	0.19	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Barium	54		0.57	0.064	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Beryllium	0.56		0.23	0.053	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Cadmium	0.37	B	0.11	0.020	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Calcium	55000	B	57	9.6	mg/Kg	☆	03/24/23 14:24	03/29/23 15:40	5
Chromium	9.6		0.57	0.28	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Cobalt	8.8		0.28	0.074	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Copper	18		0.57	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Iron	16000		11	5.9	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Lead	13		0.28	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Magnesium	29000	B	5.7	2.8	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Manganese	340		0.57	0.082	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Nickel	20		0.57	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Potassium	1000		28	10	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Selenium	<0.57		0.57	0.33	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Silver	0.24	J	0.28	0.073	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Sodium	210		57	8.4	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Thallium	<0.57		0.57	0.28	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Vanadium	17		0.28	0.067	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1
Zinc	65		1.1	0.50	mg/Kg	☆	03/24/23 14:24	03/28/23 14:55	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 12:12	1

Method: SW846 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		03/24/23 13:55	03/27/23 08:55	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0094	J	0.017	0.0091	mg/Kg	☆	03/24/23 17:10	03/27/23 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.2	0.2	SU			03/23/23 21:48	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-4(0-5)-032023

Lab Sample ID: 500-231021-12

Date Collected: 03/20/23 23:35

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 81.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0077	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Methylene Chloride	<0.0044		0.0044	0.0018	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0020	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☆	03/21/23 17:18	03/23/23 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		75 - 131	03/21/23 17:18	03/23/23 18:52	1
Dibromofluoromethane (Surr)	96		75 - 126	03/21/23 17:18	03/23/23 18:52	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	03/21/23 17:18	03/23/23 18:52	1
Toluene-d8 (Surr)	87		75 - 124	03/21/23 17:18	03/23/23 18:52	1

Method: SW846 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	☆	03/28/23 13:22	03/29/23 17:18	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 17:18	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☆	03/28/23 13:22	03/29/23 17:18	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☆	03/28/23 13:22	03/29/23 17:18	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☆	03/28/23 13:22	03/29/23 17:18	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-4(0-5)-032023

Lab Sample ID: 500-231021-12

Date Collected: 03/20/23 23:35

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 81.7

Method: SW846 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	✳	03/28/23 13:22	03/29/23 17:18	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Benzo[a]anthracene	0.0055	J	0.039	0.0052	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Fluoranthene	0.0090	J	0.039	0.0072	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✳	03/28/23 13:22	03/29/23 17:18	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-4(0-5)-032023

Lab Sample ID: 500-231021-12

Date Collected: 03/20/23 23:35

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 81.7

Method: SW846 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	☼	03/28/23 13:22	03/29/23 17:18	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	03/28/23 13:22	03/29/23 17:18	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	03/28/23 13:22	03/29/23 17:18	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	03/28/23 13:22	03/29/23 17:18	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	03/28/23 13:22	03/29/23 17:18	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	03/28/23 13:22	03/29/23 17:18	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	03/28/23 13:22	03/29/23 17:18	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	03/28/23 13:22	03/29/23 17:18	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	03/28/23 13:22	03/29/23 17:18	1
Pyrene	0.0087	J	0.039	0.0077	mg/Kg	☼	03/28/23 13:22	03/29/23 17:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	119		31 - 143	03/28/23 13:22	03/29/23 17:18	1
2-Fluorobiphenyl (Surr)	85		43 - 145	03/28/23 13:22	03/29/23 17:18	1
2-Fluorophenol (Surr)	94		31 - 166	03/28/23 13:22	03/29/23 17:18	1
Nitrobenzene-d5 (Surr)	64		37 - 147	03/28/23 13:22	03/29/23 17:18	1
Phenol-d5 (Surr)	81		30 - 153	03/28/23 13:22	03/29/23 17:18	1
Terphenyl-d14 (Surr)	116		42 - 157	03/28/23 13:22	03/29/23 17:18	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 15:59	1
Barium	0.35	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 15:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 15:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 15:59	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:59	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:59	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:59	1
Iron	0.37	J	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 15:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 15:59	1
Manganese	0.58		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:59	1
Nickel	0.011	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:59	1
Selenium	<0.050	F1	0.050	0.020	mg/L		03/24/23 16:46	03/27/23 15:59	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:59	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 15:59	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.067		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 19:31	1
Barium	0.30	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 19:31	1
Beryllium	0.0065		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 19:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 19:31	1
Chromium	0.12		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:31	1
Cobalt	0.052		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:31	1
Copper	0.17		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:31	1
Iron	150		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 19:31	1
Lead	0.082		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 19:31	1
Manganese	0.75		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:31	1
Nickel	0.14		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:31	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 19:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-4(0-5)-032023

Lab Sample ID: 500-231021-12

Date Collected: 03/20/23 23:35

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 81.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:31	1
Zinc	0.34	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 19:31	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6100		12	4.8	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Antimony	0.50	J	1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Arsenic	13		0.59	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Barium	57		2.9	0.33	mg/Kg	☆	03/24/23 14:24	03/29/23 15:43	5
Beryllium	0.55		0.23	0.055	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Cadmium	0.51	B	0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Calcium	94000	B	59	9.9	mg/Kg	☆	03/24/23 14:24	03/29/23 15:43	5
Chromium	11		0.59	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Cobalt	9.2		0.29	0.077	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Copper	25		0.59	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Iron	26000		59	30	mg/Kg	☆	03/24/23 14:24	03/29/23 15:43	5
Lead	130		0.29	0.14	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Magnesium	59000	B	29	15	mg/Kg	☆	03/24/23 14:24	03/29/23 15:43	5
Manganese	490		0.59	0.085	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Nickel	22		0.59	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Potassium	1200		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Selenium	<0.59		0.59	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Silver	0.24	J	0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Sodium	300		59	8.7	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Thallium	<0.59		0.59	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Vanadium	14		0.29	0.069	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1
Zinc	87		1.2	0.51	mg/Kg	☆	03/24/23 14:24	03/28/23 14:59	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 12:14	1

Method: SW846 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		03/24/23 13:55	03/27/23 08:57	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.018	0.0096	mg/Kg	☆	03/24/23 17:10	03/27/23 09:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.8		0.2	0.2	SU			03/23/23 21:51	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-4(5-10)-032023

Lab Sample ID: 500-231021-13

Date Collected: 03/20/23 23:40

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 88.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0065	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Carbon disulfide	<0.0037		0.0037	0.00078	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0017	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
1,1,1,2-Tetrachloroethane	<0.0015	*3	0.0015	0.00048	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☆	03/21/23 17:18	03/23/23 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	*3	75 - 131	03/21/23 17:18	03/23/23 19:17	1
Dibromofluoromethane (Surr)	98		75 - 126	03/21/23 17:18	03/23/23 19:17	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	03/21/23 17:18	03/23/23 19:17	1
Toluene-d8 (Surr)	102		75 - 124	03/21/23 17:18	03/23/23 19:17	1

Method: SW846 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	☆	03/28/23 13:22	03/29/23 17:42	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☆	03/28/23 13:22	03/29/23 17:42	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☆	03/28/23 13:22	03/29/23 17:42	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 17:42	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☆	03/28/23 13:22	03/29/23 17:42	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-4(5-10)-032023

Lab Sample ID: 500-231021-13

Date Collected: 03/20/23 23:40

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 88.6

Method: SW846 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	✱	03/28/23 13:22	03/29/23 17:42	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
4-Nitrophenol	<0.73		0.73	0.34	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Carbazole	<0.18		0.18	0.091	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	✱	03/28/23 13:22	03/29/23 17:42	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-4(5-10)-032023

Lab Sample ID: 500-231021-13

Date Collected: 03/20/23 23:40

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 88.6

Method: SW846 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	☼	03/28/23 13:22	03/29/23 17:42	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	03/28/23 13:22	03/29/23 17:42	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	03/28/23 13:22	03/29/23 17:42	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	03/28/23 13:22	03/29/23 17:42	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	03/28/23 13:22	03/29/23 17:42	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	03/28/23 13:22	03/29/23 17:42	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	03/28/23 13:22	03/29/23 17:42	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	03/28/23 13:22	03/29/23 17:42	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	03/28/23 13:22	03/29/23 17:42	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	03/28/23 13:22	03/29/23 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	139		31 - 143	03/28/23 13:22	03/29/23 17:42	1
2-Fluorobiphenyl (Surr)	107		43 - 145	03/28/23 13:22	03/29/23 17:42	1
2-Fluorophenol (Surr)	123		31 - 166	03/28/23 13:22	03/29/23 17:42	1
Nitrobenzene-d5 (Surr)	81		37 - 147	03/28/23 13:22	03/29/23 17:42	1
Phenol-d5 (Surr)	101		30 - 153	03/28/23 13:22	03/29/23 17:42	1
Terphenyl-d14 (Surr)	123		42 - 157	03/28/23 13:22	03/29/23 17:42	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 16:12	1
Barium	0.10	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 16:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 16:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 16:12	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:12	1
Cobalt	0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:12	1
Copper	0.011	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:12	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:46	03/27/23 16:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 16:12	1
Manganese	1.2		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:12	1
Nickel	0.049		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:12	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 16:12	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:12	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 16:12	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 19:34	1
Barium	<0.50		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 19:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 19:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 19:34	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:34	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:34	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:34	1
Iron	0.30	J	0.40	0.20	mg/L		03/24/23 16:47	03/28/23 19:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 19:34	1
Manganese	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:34	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:34	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 19:34	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-4(5-10)-032023

Lab Sample ID: 500-231021-13

Date Collected: 03/20/23 23:40

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 88.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:34	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:47	03/28/23 19:34	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2600		11	4.4	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Antimony	<1.1		1.1	0.21	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Arsenic	6.4		0.54	0.19	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Barium	8.9		2.7	0.31	mg/Kg	☆	03/24/23 14:24	03/29/23 15:46	5
Beryllium	0.31		0.22	0.051	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Cadmium	0.19	B	0.11	0.020	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Calcium	120000	B	54	9.2	mg/Kg	☆	03/24/23 14:24	03/29/23 15:46	5
Chromium	5.3		0.54	0.27	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Cobalt	5.4		0.27	0.071	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Copper	14		0.54	0.15	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Iron	12000		54	28	mg/Kg	☆	03/24/23 14:24	03/29/23 15:46	5
Lead	7.2		0.27	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Magnesium	74000	B	27	13	mg/Kg	☆	03/24/23 14:24	03/29/23 15:46	5
Manganese	340		0.54	0.079	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Nickel	11		0.54	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Potassium	900		27	9.6	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Selenium	<0.54		0.54	0.32	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Silver	0.10	J	0.27	0.070	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Sodium	250		54	8.0	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Thallium	<0.54		0.54	0.27	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Vanadium	8.6		0.27	0.064	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1
Zinc	29		1.1	0.48	mg/Kg	☆	03/24/23 14:24	03/28/23 15:02	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 12:25	1

Method: SW846 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		03/24/23 13:55	03/27/23 08:59	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.017		0.017	0.0092	mg/Kg	☆	03/24/23 17:10	03/27/23 09:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4		0.2	0.2	SU			03/23/23 21:53	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-5(0-5)-032123

Lab Sample ID: 500-231021-14

Date Collected: 03/21/23 00:00

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0089	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Benzene	<0.0020		0.0020	0.00052	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Bromodichloromethane	<0.0020		0.0020	0.00042	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Bromoform	<0.0020		0.0020	0.00060	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Bromomethane	<0.0051		0.0051	0.0019	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Carbon disulfide	<0.0051		0.0051	0.0011	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Carbon tetrachloride	<0.0020		0.0020	0.00059	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Chlorobenzene	<0.0020		0.0020	0.00075	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Chloroethane	<0.0051		0.0051	0.0015	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Chloroform	<0.0020		0.0020	0.00071	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Chloromethane	<0.0051		0.0051	0.0021	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00057	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00062	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Dibromochloromethane	<0.0020		0.0020	0.00067	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
1,1-Dichloroethane	<0.0020		0.0020	0.00070	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
1,2-Dichloroethane	<0.0051		0.0051	0.0016	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
1,1-Dichloroethene	<0.0020	*+	0.0020	0.00070	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
1,2-Dichloropropane	<0.0020		0.0020	0.00053	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00072	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Ethylbenzene	<0.0020		0.0020	0.00098	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
2-Hexanone	<0.0051		0.0051	0.0016	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Methylene Chloride	<0.0051		0.0051	0.0020	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Methyl Ethyl Ketone	<0.0051		0.0051	0.0023	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
methyl isobutyl ketone	<0.0051		0.0051	0.0015	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00060	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Styrene	<0.0020		0.0020	0.00062	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00065	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Tetrachloroethene	<0.0020		0.0020	0.00070	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Toluene	<0.0020		0.0020	0.00052	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00091	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00072	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00069	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00088	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Trichloroethene	<0.0020		0.0020	0.00069	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Vinyl chloride	<0.0020		0.0020	0.00090	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1
Xylenes, Total	<0.0041		0.0041	0.00065	mg/Kg	☆	03/21/23 17:18	03/24/23 11:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		75 - 131	03/21/23 17:18	03/24/23 11:48	1
Dibromofluoromethane (Surr)	97		75 - 126	03/21/23 17:18	03/24/23 11:48	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	03/21/23 17:18	03/24/23 11:48	1
Toluene-d8 (Surr)	88		75 - 124	03/21/23 17:18	03/24/23 11:48	1

Method: SW846 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	☆	03/28/23 13:22	03/29/23 18:05	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☆	03/28/23 13:22	03/29/23 18:05	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	03/28/23 13:22	03/29/23 18:05	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☆	03/28/23 13:22	03/29/23 18:05	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	03/28/23 13:22	03/29/23 18:05	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-5(0-5)-032123

Lab Sample ID: 500-231021-14

Date Collected: 03/21/23 00:00

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.1

Method: SW846 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	✳	03/28/23 13:22	03/29/23 18:05	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Chrysene	0.010	J	0.038	0.010	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	03/28/23 13:22	03/29/23 18:05	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-5(0-5)-032123

Lab Sample ID: 500-231021-14

Date Collected: 03/21/23 00:00

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.1

Method: SW846 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	☼	03/28/23 13:22	03/29/23 18:05	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	03/28/23 13:22	03/29/23 18:05	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	03/28/23 13:22	03/29/23 18:05	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	03/28/23 13:22	03/29/23 18:05	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	03/28/23 13:22	03/29/23 18:05	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	03/28/23 13:22	03/29/23 18:05	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	03/28/23 13:22	03/29/23 18:05	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	03/28/23 13:22	03/29/23 18:05	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	03/28/23 13:22	03/29/23 18:05	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	03/28/23 13:22	03/29/23 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	138		31 - 143	03/28/23 13:22	03/29/23 18:05	1
2-Fluorobiphenyl (Surr)	102		43 - 145	03/28/23 13:22	03/29/23 18:05	1
2-Fluorophenol (Surr)	110		31 - 166	03/28/23 13:22	03/29/23 18:05	1
Nitrobenzene-d5 (Surr)	80		37 - 147	03/28/23 13:22	03/29/23 18:05	1
Phenol-d5 (Surr)	96		30 - 153	03/28/23 13:22	03/29/23 18:05	1
Terphenyl-d14 (Surr)	129		42 - 157	03/28/23 13:22	03/29/23 18:05	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 16:16	1
Barium	0.33	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 16:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 16:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 16:16	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:16	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:16	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:16	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:46	03/27/23 16:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 16:16	1
Manganese	0.15		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:16	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:16	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 16:16	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:16	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 16:16	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.063		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 19:38	1
Barium	0.28	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 19:38	1
Beryllium	0.0055		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 19:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 19:38	1
Chromium	0.095		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:38	1
Cobalt	0.030		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:38	1
Copper	0.14		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:38	1
Iron	150		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 19:38	1
Lead	0.075		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 19:38	1
Manganese	0.68		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:38	1
Nickel	0.098		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:38	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 19:38	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-5(0-5)-032123

Lab Sample ID: 500-231021-14

Date Collected: 03/21/23 00:00

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:38	1
Zinc	0.46	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 19:38	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8100		11	4.7	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Antimony	0.33	J	1.1	0.22	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Arsenic	14		0.57	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Barium	59		0.57	0.065	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Beryllium	0.63		0.23	0.053	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Cadmium	0.38	B	0.11	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Calcium	45000	B	57	9.7	mg/Kg	☆	03/24/23 14:24	03/29/23 15:49	5
Chromium	11		0.57	0.28	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Cobalt	14		0.29	0.075	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Copper	16		0.57	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Iron	22000		11	5.9	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Lead	18		0.29	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Magnesium	24000	B	5.7	2.8	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Manganese	690		0.57	0.083	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Nickel	28		0.57	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Potassium	970		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Silver	0.37		0.29	0.074	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Sodium	290		57	8.5	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Thallium	<0.57		0.57	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Vanadium	19		0.29	0.067	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1
Zinc	67		1.1	0.50	mg/Kg	☆	03/24/23 14:24	03/28/23 15:05	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 12:27	1

Method: SW846 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		03/24/23 13:55	03/27/23 09:01	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.018	0.0096	mg/Kg	☆	03/24/23 17:10	03/27/23 09:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			03/28/23 14:22	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-5(5-10)-032123

Lab Sample ID: 500-231021-15

Date Collected: 03/21/23 00:05

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 86.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.014		0.014	0.0062	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Bromoform	<0.0014		0.0014	0.00041	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Bromomethane	<0.0036		0.0036	0.0013	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Carbon disulfide	<0.0036		0.0036	0.00074	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Chlorobenzene	<0.0014		0.0014	0.00052	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Chloroform	<0.0014		0.0014	0.00049	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Chloromethane	<0.0036		0.0036	0.0014	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Dibromochloromethane	<0.0014		0.0014	0.00046	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
1,1-Dichloroethene	<0.0014	*+	0.0014	0.00049	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00050	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00045	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Tetrachloroethene	<0.0014		0.0014	0.00048	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1
Xylenes, Total	<0.0028		0.0028	0.00045	mg/Kg	☆	03/21/23 17:18	03/24/23 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	03/21/23 17:18	03/24/23 12:13	1
Dibromofluoromethane (Surr)	95		75 - 126	03/21/23 17:18	03/24/23 12:13	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/21/23 17:18	03/24/23 12:13	1
Toluene-d8 (Surr)	91		75 - 124	03/21/23 17:18	03/24/23 12:13	1

Method: SW846 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	☆	03/28/23 13:22	03/29/23 18:29	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	03/28/23 13:22	03/29/23 18:29	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☆	03/28/23 13:22	03/29/23 18:29	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☆	03/28/23 13:22	03/29/23 18:29	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☆	03/28/23 13:22	03/29/23 18:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-5(5-10)-032123

Lab Sample ID: 500-231021-15

Date Collected: 03/21/23 00:05

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 86.0

Method: SW846 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	✳	03/28/23 13:22	03/29/23 18:29	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
2-Methylnaphthalene	0.019	J	0.075	0.0069	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
4-Nitrophenol	<0.75		0.75	0.36	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Benzo[a]pyrene	<0.037		0.037	0.0072	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Carbazole	<0.19		0.19	0.093	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Chrysene	<0.037		0.037	0.010	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Hexachlorobenzene	<0.075		0.075	0.0087	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	03/28/23 13:22	03/29/23 18:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-5(5-10)-032123

Lab Sample ID: 500-231021-15

Date Collected: 03/21/23 00:05

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 86.0

Method: SW846 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	☼	03/28/23 13:22	03/29/23 18:29	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	03/28/23 13:22	03/29/23 18:29	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	03/28/23 13:22	03/29/23 18:29	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	03/28/23 13:22	03/29/23 18:29	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.046	mg/Kg	☼	03/28/23 13:22	03/29/23 18:29	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	03/28/23 13:22	03/29/23 18:29	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	03/28/23 13:22	03/29/23 18:29	1
Phenanthrene	0.0098	J	0.037	0.0052	mg/Kg	☼	03/28/23 13:22	03/29/23 18:29	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	03/28/23 13:22	03/29/23 18:29	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	03/28/23 13:22	03/29/23 18:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	122		31 - 143	03/28/23 13:22	03/29/23 18:29	1
2-Fluorobiphenyl (Surr)	84		43 - 145	03/28/23 13:22	03/29/23 18:29	1
2-Fluorophenol (Surr)	99		31 - 166	03/28/23 13:22	03/29/23 18:29	1
Nitrobenzene-d5 (Surr)	65		37 - 147	03/28/23 13:22	03/29/23 18:29	1
Phenol-d5 (Surr)	82		30 - 153	03/28/23 13:22	03/29/23 18:29	1
Terphenyl-d14 (Surr)	106		42 - 157	03/28/23 13:22	03/29/23 18:29	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 16:19	1
Barium	0.22	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 16:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 16:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 16:19	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:19	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:19	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:19	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:46	03/27/23 16:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 16:19	1
Manganese	1.3		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:19	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:19	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 16:19	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:19	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 16:19	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.067		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 19:41	1
Barium	0.21	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 19:41	1
Beryllium	0.0063		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 19:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 19:41	1
Chromium	0.088		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:41	1
Cobalt	0.029		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:41	1
Copper	0.12		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:41	1
Iron	220		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 19:41	1
Lead	0.075		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 19:41	1
Manganese	1.1		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:41	1
Nickel	0.063		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:41	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 19:41	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-5(5-10)-032123

Lab Sample ID: 500-231021-15

Date Collected: 03/21/23 00:05

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 86.0

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:41	1
Zinc	0.39	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 19:41	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7200		11	4.6	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Antimony	0.41	J	1.1	0.22	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Arsenic	10		0.56	0.19	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Barium	39		5.6	0.64	mg/Kg	☆	03/24/23 14:24	03/29/23 15:52	10
Beryllium	0.59		0.23	0.053	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Cadmium	0.26	B	0.11	0.020	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Calcium	75000	B	110	19	mg/Kg	☆	03/24/23 14:24	03/29/23 15:52	10
Chromium	12		0.56	0.28	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Cobalt	21		0.28	0.074	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Copper	22		0.56	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Iron	26000		110	59	mg/Kg	☆	03/24/23 14:24	03/29/23 15:52	10
Lead	13		0.28	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Magnesium	41000	B	56	28	mg/Kg	☆	03/24/23 14:24	03/29/23 15:52	10
Manganese	750		0.56	0.082	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Nickel	46		0.56	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Potassium	1800		28	10	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Selenium	0.38	J	0.56	0.33	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Silver	0.34		0.28	0.073	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Sodium	370		56	8.3	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Vanadium	16		0.28	0.066	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1
Zinc	53		1.1	0.49	mg/Kg	☆	03/24/23 14:24	03/28/23 15:15	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 12:29	1

Method: SW846 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		03/24/23 13:55	03/27/23 09:03	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	J	0.018	0.0095	mg/Kg	☆	03/24/23 17:10	03/27/23 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			03/28/23 14:27	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-6(0-5)-032123

Lab Sample ID: 500-231021-16

Date Collected: 03/21/23 00:40

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.017		0.015	0.0065	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Carbon disulfide	<0.0037		0.0037	0.00078	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
1,1-Dichloroethene	<0.0015	*+	0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0017	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☆	03/21/23 17:18	03/24/23 12:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		75 - 131	03/21/23 17:18	03/24/23 12:38	1
Dibromofluoromethane (Surr)	95		75 - 126	03/21/23 17:18	03/24/23 12:38	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	03/21/23 17:18	03/24/23 12:38	1
Toluene-d8 (Surr)	93		75 - 124	03/21/23 17:18	03/24/23 12:38	1

Method: SW846 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	☆	03/28/23 13:22	03/29/23 18:53	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-6(0-5)-032123

Lab Sample ID: 500-231021-16

Date Collected: 03/21/23 00:40

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.9

Method: SW846 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	☆	03/28/23 13:22	03/29/23 18:53	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☆	03/28/23 13:22	03/29/23 18:53	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-6(0-5)-032123

Lab Sample ID: 500-231021-16

Date Collected: 03/21/23 00:40

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.9

Method: SW846 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	☼	03/28/23 13:22	03/29/23 18:53	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	03/28/23 13:22	03/29/23 18:53	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	03/28/23 13:22	03/29/23 18:53	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	03/28/23 13:22	03/29/23 18:53	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	03/28/23 13:22	03/29/23 18:53	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	03/28/23 13:22	03/29/23 18:53	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	03/28/23 13:22	03/29/23 18:53	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	03/28/23 13:22	03/29/23 18:53	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	03/28/23 13:22	03/29/23 18:53	1
Pyrene	<0.040		0.040	0.0079	mg/Kg	☼	03/28/23 13:22	03/29/23 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	135		31 - 143	03/28/23 13:22	03/29/23 18:53	1
2-Fluorobiphenyl (Surr)	101		43 - 145	03/28/23 13:22	03/29/23 18:53	1
2-Fluorophenol (Surr)	118		31 - 166	03/28/23 13:22	03/29/23 18:53	1
Nitrobenzene-d5 (Surr)	77		37 - 147	03/28/23 13:22	03/29/23 18:53	1
Phenol-d5 (Surr)	97		30 - 153	03/28/23 13:22	03/29/23 18:53	1
Terphenyl-d14 (Surr)	120		42 - 157	03/28/23 13:22	03/29/23 18:53	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 16:22	1
Barium	0.069	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 16:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 16:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 16:22	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:22	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:22	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:22	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:46	03/27/23 16:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 16:22	1
Manganese	1.6		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:22	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 16:22	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:22	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 16:22	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 19:44	1
Barium	<0.50		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 19:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 19:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 19:44	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:44	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:44	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:44	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 19:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 19:44	1
Manganese	0.016	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:44	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:44	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 19:44	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-6(0-5)-032123

Lab Sample ID: 500-231021-16

Date Collected: 03/21/23 00:40

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:44	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:47	03/28/23 19:44	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8400		12	4.9	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Arsenic	7.8		0.60	0.21	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Barium	37		0.60	0.068	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Beryllium	0.59		0.24	0.056	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Cadmium	0.20	B	0.12	0.022	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Calcium	82000	B	120	20	mg/Kg	☆	03/24/23 14:24	03/29/23 15:55	10
Chromium	13		0.60	0.30	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Cobalt	11		0.30	0.079	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Copper	21		0.60	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Iron	16000		12	6.2	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Lead	11		0.30	0.14	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Magnesium	35000	B	6.0	3.0	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Manganese	330		0.60	0.087	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Nickel	24		0.60	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Potassium	2000		30	11	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Selenium	<0.60		0.60	0.35	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Silver	0.24	J	0.30	0.077	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Sodium	370		60	8.9	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Vanadium	18		0.30	0.071	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1
Zinc	48		1.2	0.53	mg/Kg	☆	03/24/23 14:24	03/28/23 15:18	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 12:31	1

Method: SW846 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		03/24/23 13:55	03/27/23 09:06	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.018	0.0098	mg/Kg	☆	03/24/23 17:10	03/27/23 09:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.2	0.2	SU			03/28/23 14:29	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-6(5-10)-032123

Lab Sample ID: 500-231021-17

Date Collected: 03/21/23 00:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.040		0.015	0.0064	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Carbon disulfide	<0.0037		0.0037	0.00077	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Ethylbenzene	<0.0015		0.0015	0.00071	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0016	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1
Xylenes, Total	<0.0030		0.0030	0.00047	mg/Kg	☆	03/21/23 17:18	03/28/23 18:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	03/21/23 17:18	03/28/23 18:00	1
Dibromofluoromethane (Surr)	95		75 - 126	03/21/23 17:18	03/28/23 18:00	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	03/21/23 17:18	03/28/23 18:00	1
Toluene-d8 (Surr)	88		75 - 124	03/21/23 17:18	03/28/23 18:00	1

Method: SW846 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	☆	03/28/23 13:22	03/29/23 19:17	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-6(5-10)-032123

Lab Sample ID: 500-231021-17

Date Collected: 03/21/23 00:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.2

Method: SW846 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	☆	03/28/23 13:22	03/29/23 19:17	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☆	03/28/23 13:22	03/29/23 19:17	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-6(5-10)-032123

Lab Sample ID: 500-231021-17

Date Collected: 03/21/23 00:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.2

Method: SW846 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	☼	03/28/23 13:22	03/29/23 19:17	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	03/28/23 13:22	03/29/23 19:17	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	03/28/23 13:22	03/29/23 19:17	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	03/28/23 13:22	03/29/23 19:17	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	03/28/23 13:22	03/29/23 19:17	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	03/28/23 13:22	03/29/23 19:17	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	03/28/23 13:22	03/29/23 19:17	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	03/28/23 13:22	03/29/23 19:17	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	03/28/23 13:22	03/29/23 19:17	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	03/28/23 13:22	03/29/23 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	148	S1+	31 - 143	03/28/23 13:22	03/29/23 19:17	1
2-Fluorobiphenyl (Surr)	101		43 - 145	03/28/23 13:22	03/29/23 19:17	1
2-Fluorophenol (Surr)	113		31 - 166	03/28/23 13:22	03/29/23 19:17	1
Nitrobenzene-d5 (Surr)	79		37 - 147	03/28/23 13:22	03/29/23 19:17	1
Phenol-d5 (Surr)	89		30 - 153	03/28/23 13:22	03/29/23 19:17	1
Terphenyl-d14 (Surr)	123		42 - 157	03/28/23 13:22	03/29/23 19:17	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 16:32	1
Barium	0.44	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 16:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 16:32	1
Cadmium	0.0039	J	0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 16:32	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:32	1
Cobalt	0.047		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:32	1
Copper	0.022	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:32	1
Iron	2.1		0.40	0.20	mg/L		03/24/23 16:46	03/27/23 16:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 16:32	1
Manganese	4.5		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:32	1
Nickel	0.065		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:32	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 16:32	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 16:32	1
Zinc	0.081	J	0.50	0.020	mg/L		03/24/23 16:46	03/27/23 16:32	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.088		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 20:04	1
Barium	0.60		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 20:04	1
Beryllium	0.0066		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 20:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 20:04	1
Chromium	0.12		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:04	1
Cobalt	0.051		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:04	1
Copper	0.20		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:04	1
Iron	190		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 20:04	1
Lead	0.096		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 20:04	1
Manganese	1.2		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:04	1
Nickel	0.17		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:04	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 20:04	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-6(5-10)-032123

Lab Sample ID: 500-231021-17

Date Collected: 03/21/23 00:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.2

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:04	1
Zinc	0.55		0.50	0.020	mg/L		03/24/23 16:47	03/28/23 20:04	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9200		12	4.8	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Antimony	0.37	J	1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Arsenic	11		0.58	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Barium	42		0.58	0.067	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Beryllium	0.67		0.23	0.055	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Cadmium	0.36	B	0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Calcium	43000	B	120	20	mg/Kg	☆	03/24/23 14:24	03/29/23 16:05	10
Chromium	13		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Cobalt	11		0.29	0.077	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Copper	24		0.58	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Iron	21000		12	6.1	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Lead	17		0.29	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Magnesium	22000	B	5.8	2.9	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Manganese	450		0.58	0.085	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Nickel	26		0.58	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Potassium	1400		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Selenium	0.39	J	0.58	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Silver	0.29		0.29	0.075	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Sodium	150		58	8.6	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Vanadium	21		0.29	0.069	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1
Zinc	81		1.2	0.51	mg/Kg	☆	03/24/23 14:24	03/28/23 15:26	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 12:34	1

Method: SW846 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		03/24/23 13:55	03/27/23 09:16	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0095	mg/Kg	☆	03/24/23 17:10	03/27/23 09:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			03/28/23 14:32	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-6(10-15)-032123

Lab Sample ID: 500-231021-18

Date Collected: 03/21/23 00:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 80.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.044		0.017	0.0073	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Chloroethane	<0.0042		0.0042	0.0012	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
1,1-Dichloroethene	<0.0017	*	0.0017	0.00058	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Methyl Ethyl Ketone	0.0047		0.0042	0.0019	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☆	03/21/23 17:18	03/24/23 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		75 - 131	03/21/23 17:18	03/24/23 13:29	1
Dibromofluoromethane (Surr)	96		75 - 126	03/21/23 17:18	03/24/23 13:29	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/21/23 17:18	03/24/23 13:29	1
Toluene-d8 (Surr)	89		75 - 124	03/21/23 17:18	03/24/23 13:29	1

Method: SW846 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	☆	03/28/23 13:22	03/29/23 19:41	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-6(10-15)-032123

Lab Sample ID: 500-231021-18

Date Collected: 03/21/23 00:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 80.4

Method: SW846 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	☆	03/28/23 13:22	03/29/23 19:41	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☆	03/28/23 13:22	03/29/23 19:41	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-6(10-15)-032123

Lab Sample ID: 500-231021-18

Date Collected: 03/21/23 00:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 80.4

Method: SW846 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	☼	03/28/23 13:22	03/29/23 19:41	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	03/28/23 13:22	03/29/23 19:41	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	03/28/23 13:22	03/29/23 19:41	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	03/28/23 13:22	03/29/23 19:41	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	03/28/23 13:22	03/29/23 19:41	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	03/28/23 13:22	03/29/23 19:41	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	03/28/23 13:22	03/29/23 19:41	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	03/28/23 13:22	03/29/23 19:41	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	03/28/23 13:22	03/29/23 19:41	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	03/28/23 13:22	03/29/23 19:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	131		31 - 143				03/28/23 13:22	03/29/23 19:41	1
2-Fluorobiphenyl (Surr)	83		43 - 145				03/28/23 13:22	03/29/23 19:41	1
2-Fluorophenol (Surr)	97		31 - 166				03/28/23 13:22	03/29/23 19:41	1
Nitrobenzene-d5 (Surr)	63		37 - 147				03/28/23 13:22	03/29/23 19:41	1
Phenol-d5 (Surr)	73		30 - 153				03/28/23 13:22	03/29/23 19:41	1
Terphenyl-d14 (Surr)	115		42 - 157				03/28/23 13:22	03/29/23 19:41	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 17:01	1
Barium	0.61		0.50	0.050	mg/L		03/24/23 16:46	03/27/23 17:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 17:01	1
Cadmium	0.0029	J	0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 17:01	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:01	1
Cobalt	0.042		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:01	1
Copper	0.015	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:01	1
Iron	0.53		0.40	0.20	mg/L		03/24/23 16:46	03/27/23 17:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 17:01	1
Manganese	6.4		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:01	1
Nickel	0.038		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:01	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 17:01	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:01	1
Zinc	0.079	J	0.50	0.020	mg/L		03/24/23 16:46	03/27/23 17:01	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.023	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 20:07	1
Barium	0.20	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 20:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 20:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 20:07	1
Chromium	0.050		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:07	1
Cobalt	0.013	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:07	1
Copper	0.050		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:07	1
Iron	54		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 20:07	1
Lead	0.019		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 20:07	1
Manganese	0.27		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:07	1
Nickel	0.046		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:07	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 20:07	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-6(10-15)-032123

Lab Sample ID: 500-231021-18

Date Collected: 03/21/23 00:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 80.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:07	1
Zinc	0.12	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 20:07	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16000		12	4.8	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Antimony	0.44	J	1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Arsenic	9.2		0.59	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Barium	130		0.59	0.068	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Beryllium	0.93		0.24	0.055	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Cadmium	0.20	B	0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Calcium	8000	B	12	2.0	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Chromium	20		0.59	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Cobalt	14		0.30	0.078	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Copper	24		0.59	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Iron	24000		12	6.2	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Lead	17		0.30	0.14	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Magnesium	8500	B	5.9	2.9	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Manganese	580		0.59	0.086	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Nickel	45		0.59	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Potassium	1700		30	11	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Selenium	0.43	J	0.59	0.35	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Silver	0.61		0.30	0.077	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Sodium	87		59	8.8	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Thallium	<0.59		0.59	0.30	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Vanadium	27		0.30	0.070	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1
Zinc	75		1.2	0.52	mg/Kg	☆	03/24/23 14:24	03/28/23 15:40	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 12:36	1

Method: SW846 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		03/24/23 13:55	03/27/23 09:18	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039		0.019	0.010	mg/Kg	☆	03/24/23 17:10	03/27/23 10:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.2	0.2	SU			03/28/23 14:34	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-7(0-5)-032123

Lab Sample ID: 500-231021-19

Date Collected: 03/21/23 01:10

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 88.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0065	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Carbon disulfide	<0.0037		0.0037	0.00077	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
1,1-Dichloroethene	<0.0015	*+	0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Ethylbenzene	<0.0015		0.0015	0.00071	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0016	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☆	03/21/23 17:18	03/24/23 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 131	03/21/23 17:18	03/24/23 13:54	1
Dibromofluoromethane (Surr)	96		75 - 126	03/21/23 17:18	03/24/23 13:54	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	03/21/23 17:18	03/24/23 13:54	1
Toluene-d8 (Surr)	94		75 - 124	03/21/23 17:18	03/24/23 13:54	1

Method: SW846 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	☆	03/28/23 13:22	03/29/23 20:28	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-7(0-5)-032123

Lab Sample ID: 500-231021-19

Date Collected: 03/21/23 01:10

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 88.4

Method: SW846 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	☆	03/28/23 13:22	03/29/23 20:28	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
2,4-Dinitrophenol	<0.75	F1	0.75	0.65	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
2-Methylnaphthalene	<0.075		0.075	0.0068	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
3 & 4 Methylphenol	<0.19	F1	0.19	0.062	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
3,3'-Dichlorobenzidine	<0.19	F1	0.19	0.052	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Benzo[a]anthracene	0.045		0.037	0.0050	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Benzo[a]pyrene	0.10	*3	0.037	0.0072	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Benzo[b]fluoranthene	0.10	*3	0.037	0.0080	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Benzo[g,h,i]perylene	0.050	*3 F1	0.037	0.012	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Benzo[k]fluoranthene	0.027	J *3 F1	0.037	0.011	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Chrysene	0.15		0.037	0.010	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Dibenz(a,h)anthracene	0.019	J *3	0.037	0.0072	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Fluoranthene	0.032	J	0.037	0.0069	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Hexachlorocyclopentadiene	<0.75	F1	0.75	0.21	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1
Hexachloroethane	<0.19	F1	0.19	0.056	mg/Kg	☆	03/28/23 13:22	03/29/23 20:28	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-7(0-5)-032123

Lab Sample ID: 500-231021-19

Date Collected: 03/21/23 01:10

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 88.4

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.035	J *3	0.037	0.0096	mg/Kg	☼	03/28/23 13:22	03/29/23 20:28	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	03/28/23 13:22	03/29/23 20:28	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	03/28/23 13:22	03/29/23 20:28	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	03/28/23 13:22	03/29/23 20:28	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	03/28/23 13:22	03/29/23 20:28	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	03/28/23 13:22	03/29/23 20:28	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	03/28/23 13:22	03/29/23 20:28	1
Phenanthrene	0.038		0.037	0.0052	mg/Kg	☼	03/28/23 13:22	03/29/23 20:28	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	03/28/23 13:22	03/29/23 20:28	1
Pyrene	0.043		0.037	0.0074	mg/Kg	☼	03/28/23 13:22	03/29/23 20:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	149	S1+	31 - 143				03/28/23 13:22	03/29/23 20:28	1
2-Fluorobiphenyl (Surr)	103		43 - 145				03/28/23 13:22	03/29/23 20:28	1
2-Fluorophenol (Surr)	104		31 - 166				03/28/23 13:22	03/29/23 20:28	1
Nitrobenzene-d5 (Surr)	70		37 - 147				03/28/23 13:22	03/29/23 20:28	1
Phenol-d5 (Surr)	93		30 - 153				03/28/23 13:22	03/29/23 20:28	1
Terphenyl-d14 (Surr)	136		42 - 157				03/28/23 13:22	03/29/23 20:28	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 17:06	1
Barium	0.087	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 17:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 17:06	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 17:06	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:06	1
Cobalt	0.029		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:06	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:06	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:46	03/27/23 17:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 17:06	1
Manganese	1.7		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:06	1
Nickel	0.026		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:06	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 17:06	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:06	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 17:06	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 20:10	1
Barium	<0.50		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 20:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 20:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 20:10	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:10	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:10	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:10	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 20:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 20:10	1
Manganese	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:10	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:10	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 20:10	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-7(0-5)-032123

Lab Sample ID: 500-231021-19

Date Collected: 03/21/23 01:10

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 88.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:10	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:47	03/28/23 20:10	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4800		11	4.6	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Antimony	<1.1		1.1	0.22	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Arsenic	10		0.56	0.19	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Barium	18		5.6	0.64	mg/Kg	☆	03/24/23 14:24	03/29/23 16:11	10
Beryllium	0.43		0.23	0.053	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Cadmium	0.22	B	0.11	0.020	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Calcium	95000	B	110	19	mg/Kg	☆	03/24/23 14:24	03/29/23 16:11	10
Chromium	8.5		0.56	0.28	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Cobalt	9.5		0.28	0.074	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Copper	23		0.56	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Iron	19000		110	59	mg/Kg	☆	03/24/23 14:24	03/29/23 16:11	10
Lead	12		0.28	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Magnesium	55000	B	56	28	mg/Kg	☆	03/24/23 14:24	03/29/23 16:11	10
Manganese	350		0.56	0.082	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Nickel	21		0.56	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Potassium	1200		28	10	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Silver	0.25	J	0.28	0.073	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Sodium	510		56	8.4	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Vanadium	14		0.28	0.067	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1
Zinc	47		1.1	0.50	mg/Kg	☆	03/24/23 14:24	03/28/23 15:44	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 12:38	1

Method: SW846 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		03/24/23 13:55	03/27/23 09:21	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.017	0.0091	mg/Kg	☆	03/24/23 17:10	03/27/23 10:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.2	0.2	SU			03/28/23 14:37	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-7(5-10)-032123

Lab Sample ID: 500-231021-20

Date Collected: 03/21/23 01:15

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 86.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	J	0.018	0.0077	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
1,1-Dichloroethene	<0.0018	*+	0.0018	0.00061	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0020	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1
Xylenes, Total	<0.0035		0.0035	0.00057	mg/Kg	☼	03/21/23 17:18	03/24/23 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	03/21/23 17:18	03/24/23 14:20	1
Dibromofluoromethane (Surr)	95		75 - 126	03/21/23 17:18	03/24/23 14:20	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	03/21/23 17:18	03/24/23 14:20	1
Toluene-d8 (Surr)	93		75 - 124	03/21/23 17:18	03/24/23 14:20	1

Method: SW846 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	☼	03/28/23 13:22	03/29/23 20:04	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	03/28/23 13:22	03/29/23 20:04	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	03/28/23 13:22	03/29/23 20:04	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	03/28/23 13:22	03/29/23 20:04	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	03/28/23 13:22	03/29/23 20:04	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-7(5-10)-032123

Lab Sample ID: 500-231021-20

Date Collected: 03/21/23 01:15

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 86.1

Method: SW846 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	✳	03/28/23 13:22	03/29/23 20:04	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
2-Methylnaphthalene	<0.075		0.075	0.0068	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Benzo[a]pyrene	<0.037		0.037	0.0072	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Carbazole	<0.19		0.19	0.093	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Chrysene	0.014	J	0.037	0.010	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	03/28/23 13:22	03/29/23 20:04	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-7(5-10)-032123

Lab Sample ID: 500-231021-20

Date Collected: 03/21/23 01:15

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 86.1

Method: SW846 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	☼	03/28/23 13:22	03/29/23 20:04	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	03/28/23 13:22	03/29/23 20:04	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	03/28/23 13:22	03/29/23 20:04	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	03/28/23 13:22	03/29/23 20:04	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	03/28/23 13:22	03/29/23 20:04	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	03/28/23 13:22	03/29/23 20:04	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	03/28/23 13:22	03/29/23 20:04	1
Phenanthrene	0.021	J	0.037	0.0052	mg/Kg	☼	03/28/23 13:22	03/29/23 20:04	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	03/28/23 13:22	03/29/23 20:04	1
Pyrene	0.011	J	0.037	0.0074	mg/Kg	☼	03/28/23 13:22	03/29/23 20:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	123		31 - 143				03/28/23 13:22	03/29/23 20:04	1
2-Fluorobiphenyl (Surr)	96		43 - 145				03/28/23 13:22	03/29/23 20:04	1
2-Fluorophenol (Surr)	102		31 - 166				03/28/23 13:22	03/29/23 20:04	1
Nitrobenzene-d5 (Surr)	68		37 - 147				03/28/23 13:22	03/29/23 20:04	1
Phenol-d5 (Surr)	89		30 - 153				03/28/23 13:22	03/29/23 20:04	1
Terphenyl-d14 (Surr)	117		42 - 157				03/28/23 13:22	03/29/23 20:04	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 17:36	1
Barium	0.41	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 17:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 17:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 17:36	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:36	1
Cobalt	0.018	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:36	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:36	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:46	03/27/23 17:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 17:36	1
Manganese	2.3		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:36	1
Nickel	0.031		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:36	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 17:36	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 17:36	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 17:36	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 20:13	1
Barium	<0.50		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 20:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 20:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 20:13	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:13	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:13	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:13	1
Iron	0.45		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 20:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 20:13	1
Manganese	0.033		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:13	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:13	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 20:13	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: M-7(5-10)-032123

Lab Sample ID: 500-231021-20

Date Collected: 03/21/23 01:15

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 86.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:13	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:47	03/28/23 20:13	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7700		11	4.6	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Antimony	<1.1		1.1	0.22	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Arsenic	8.0		0.56	0.19	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Barium	32		5.6	0.64	mg/Kg	☆	03/24/23 14:24	03/29/23 16:14	10
Beryllium	0.54		0.22	0.052	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Cadmium	0.19	B	0.11	0.020	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Calcium	73000	B	110	19	mg/Kg	☆	03/24/23 14:24	03/29/23 16:14	10
Chromium	12		0.56	0.28	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Cobalt	11		0.28	0.073	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Copper	22		0.56	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Iron	20000		110	58	mg/Kg	☆	03/24/23 14:24	03/29/23 16:14	10
Lead	12		0.28	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Magnesium	41000	B	56	28	mg/Kg	☆	03/24/23 14:24	03/29/23 16:14	10
Manganese	370		0.56	0.081	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Nickel	25		0.56	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Potassium	1900		28	9.9	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Silver	0.26	J	0.28	0.072	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Sodium	270		56	8.3	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Vanadium	16		0.28	0.066	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1
Zinc	46		1.1	0.49	mg/Kg	☆	03/24/23 14:24	03/28/23 15:47	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 12:40	1

Method: SW846 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		03/24/23 13:55	03/27/23 09:23	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.0098	mg/Kg	☆	03/24/23 17:10	03/27/23 10:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			03/28/23 14:39	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
*3	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
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery 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.
S1+	Surrogate recovery exceeds control limits, high biased.

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 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

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Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record 640967



Environment Testing
America

Address: _____

Regulatory Program: DW NPDES RCRA Other:

TAL-8210

Client Contact		Project Manager: <u>A Slesars</u>		Site Contact: <u>C. Penn</u>		Date: <u>3-28-23</u>		COC No	
Company Name: <u>Weston Solutions</u>		Tel/Email:		Lab Contact: <u>R. Wright</u>		Carrier:		1 of 9 COCs	
Address: <u>300 Cambridge Pkwy Ste 860</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SVOCs Metals TSP/SP Metals pH		500-231021 COC 		Sampler	
City/State/Zip: <u>Lincolnsville NC 28069</u>								For Lab Use Only: Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>	
Phone:								Job / SDG No	
Fax:								<u>500-231021</u>	
Project Name: <u>RDOT 051</u>									
Site: <u>2-80</u>									
PO#									

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	SVOCs	Metals	TSP/SP Metals	pH	Sample Specific Notes
M-1 (0-5)-032023	3/20/23	2100	6	S	6			X	X	X	X	X	
M-1 (5-10)-032023		2105											
M-2 (0-5)-032023		2150											
M-2 (5-10)-032023		2155											
M-2 (10-15)-032023		2200											
DR-2 (0-5)-032023		2215											
DR-2 (5-10)-032023		2220											
DR-5 (0-5)-032022		2240											
DR-5 (5-10)-032023		2245											
DR-5 (5-10)-032023D		2245											

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months
--	---

Special Instructions/QC Requirements & Comments: 5.5-3840, 5.8-747

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C). Obs'd _____ Corr'd _____		Therm ID No _____	
Relinquished by: <u>[Signature]</u>	Company: <u>WS</u>	Date/Time: <u>3/21 1324</u>	Received by: <u>Chary Hunkles</u>	Company: <u>EBTA</u>	Date/Time: <u>3/21/23 1324</u>		
Relinquished by: <u>[Signature]</u>	Company: <u>EBTA</u>	Date/Time: <u>3/21/23 1500</u>	Received by: <u>[Signature]</u>	Company: <u>EBTA</u>	Date/Time: <u>3/21/23 1500</u>		



Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>A. Sleser</u>		Site Contact: <u>C. Pace</u>		Date		COC No	
Company Name: <u>Worston Solutions</u>		Tel/Email:		Lab Contact: <u>R. Wright</u>		Carrier:		<u>2</u> of <u>4</u> COCs	
Address: <u>300 Knightsbridge Pkwy Ste 300</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2-weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS/MSD (Y/N) VOCs SVOCs Total Metals TSS/Susp. Solids pH				Sampler:	
City/State/Zip: <u>Orlando, FL 32809</u>								For Lab Use Only	
Phone								Walk-in Client	
Fax								Lab Sampling	
Project Name: <u>POST 051</u>								Job / SDG No	
Site: <u>I-80</u>								<u>500-23102</u>	
PO#									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.			Sample Specific Notes
11	M-3 (0-5) -032023	3-20-23	2305	G	S	6	X	X	X
12	M-4 (0-5) -032023	↓	2335						
13	M-4 (5-10) -032023	↓	2340						
14	M-5 (0-5) -032123	3-21-23	0000						
15	M-5 (5-10) -032123	↓	0005						
16	M-6 (0-5) -032123	↓	0040						
17	M-6 (5-10) -032123	↓	0055						
18	M-6 (10-15) -032123	↓	0050						
19	M-7 (0-5) -032123	↓	0110						
20	M-7 (5-10) -032123	↓	0115						
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments:									
<u>5-9-758</u>									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____		Corr'd _____		Therm ID No _____	
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>3/21/23 1320</u>		Received by: <u>[Signature]</u>		Company: <u>ECOA</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>ECOA</u>		Date/Time: <u>3/21/23 1500</u>		Received by: <u>[Signature]</u>		Company: <u>ECOA</u>	
Relinquished by: <u>[Signature]</u>		Company: _____		Date/Time: _____		Received by: <u>[Signature]</u>		Company: <u>ECOA</u>	



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/4/2023 12:03:27 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231022-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231022-1	M-7(10-15)-032123	Solid	03/21/23 01:20	03/21/23 15:00
500-231022-2	M-7(10-15)-032123D	Solid	03/21/23 01:20	03/21/23 15:00
500-231022-3	M-7(15-18)-032123	Solid	03/21/23 01:25	03/21/23 15:00
500-231022-4	M-8(0-5)-032123	Solid	03/21/23 01:45	03/21/23 15:00
500-231022-5	M-8(5-10)-032123	Solid	03/21/23 01:50	03/21/23 15:00
500-231022-6	M-8(10-15)-032123	Solid	03/21/23 01:55	03/21/23 15:00
500-231022-7	M-9(0-5)-032123	Solid	03/21/23 02:10	03/21/23 15:00
500-231022-8	M-10(0-5)-032123	Solid	03/21/23 02:25	03/21/23 15:00
500-231022-9	M-10(5-10)-032123	Solid	03/21/23 02:30	03/21/23 15:00
500-231022-10	M-10(10-15)-032123	Solid	03/21/23 02:35	03/21/23 15:00
500-231022-11	M-11(0-5)-032123	Solid	03/21/23 02:45	03/21/23 15:00
500-231022-12	M-11(5-10)-032123	Solid	03/21/23 02:50	03/21/23 15:00
500-231022-13	M-11(5-10)-032123D	Solid	03/21/23 02:50	03/21/23 15:00
500-231022-14	M-11(10-15)-032123	Solid	03/21/23 02:55	03/21/23 15:00
500-231022-15	M-12(0-5)-032123	Solid	03/21/23 03:10	03/21/23 15:00
500-231022-16	M-12(5-10)-032123	Solid	03/21/23 03:15	03/21/23 15:00
500-231022-17	M-12(10-15)-032123	Solid	03/21/23 03:20	03/21/23 15:00



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-7(10-15)-032123

Lab Sample ID: 500-231022-1

Date Collected: 03/21/23 01:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 89.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.11		0.015	0.0064	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Carbon disulfide	<0.0037		0.0037	0.00077	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Chlorobenzene	<0.0015		0.0015	0.00054	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00044	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
1,1-Dichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
1,2-Dichloroethane	<0.0037		0.0037	0.0011	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
1,1-Dichloroethene	<0.0015	*+	0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Ethylbenzene	<0.0015		0.0015	0.00070	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
2-Hexanone	<0.0037		0.0037	0.0011	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Methylene Chloride	<0.0037		0.0037	0.0014	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0016	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Styrene	<0.0015		0.0015	0.00044	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00065	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Vinyl chloride	<0.0015		0.0015	0.00065	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1
Xylenes, Total	<0.0029		0.0029	0.00047	mg/Kg	☆	03/21/23 17:18	03/24/23 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		75 - 131	03/21/23 17:18	03/24/23 16:52	1
Dibromofluoromethane (Surr)	96		75 - 126	03/21/23 17:18	03/24/23 16:52	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	03/21/23 17:18	03/24/23 16:52	1
Toluene-d8 (Surr)	87		75 - 124	03/21/23 17:18	03/24/23 16:52	1

Method: SW846 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	☆	03/29/23 08:43	03/30/23 21:26	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☆	03/29/23 08:43	03/30/23 21:26	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☆	03/29/23 08:43	03/30/23 21:26	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☆	03/29/23 08:43	03/30/23 21:26	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☆	03/29/23 08:43	03/30/23 21:26	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-7(10-15)-032123

Lab Sample ID: 500-231022-1

Date Collected: 03/21/23 01:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 89.4

Method: SW846 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	0.084	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
2,6-Dinitrotoluene	<0.19		0.19	0.072	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
2-Methylnaphthalene	0.0091	J	0.074	0.0068	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
3 & 4 Methylphenol	<0.19		0.19	0.061	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Benzo[a]pyrene	<0.037		0.037	0.0071	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.067	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Carbazole	<0.19		0.19	0.092	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Chrysene	<0.037		0.037	0.010	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0071	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Diethyl phthalate	<0.19		0.19	0.062	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Fluoranthene	<0.037		0.037	0.0068	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	✱	03/29/23 08:43	03/30/23 21:26	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-7(10-15)-032123

Lab Sample ID: 500-231022-1

Date Collected: 03/21/23 01:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 89.4

Method: SW846 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	☼	03/29/23 08:43	03/30/23 21:26	1
Isophorone	<0.19		0.19	0.041	mg/Kg	☼	03/29/23 08:43	03/30/23 21:26	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	03/29/23 08:43	03/30/23 21:26	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	03/29/23 08:43	03/30/23 21:26	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	03/29/23 08:43	03/30/23 21:26	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	03/29/23 08:43	03/30/23 21:26	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	03/29/23 08:43	03/30/23 21:26	1
Phenanthrene	0.012	J	0.037	0.0051	mg/Kg	☼	03/29/23 08:43	03/30/23 21:26	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	03/29/23 08:43	03/30/23 21:26	1
Pyrene	<0.037		0.037	0.0073	mg/Kg	☼	03/29/23 08:43	03/30/23 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	118		31 - 143	03/29/23 08:43	03/30/23 21:26	1
2-Fluorobiphenyl (Surr)	94		43 - 145	03/29/23 08:43	03/30/23 21:26	1
2-Fluorophenol (Surr)	107		31 - 166	03/29/23 08:43	03/30/23 21:26	1
Nitrobenzene-d5 (Surr)	73		37 - 147	03/29/23 08:43	03/30/23 21:26	1
Phenol-d5 (Surr)	83		30 - 153	03/29/23 08:43	03/30/23 21:26	1
Terphenyl-d14 (Surr)	112		42 - 157	03/29/23 08:43	03/30/23 21:26	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 13:35	1
Barium	0.33	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 13:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 13:35	1
Cadmium	0.0032	J	0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 13:35	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:35	1
Cobalt	0.030		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:35	1
Copper	0.015	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:35	1
Iron	<0.40	*+	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 13:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 13:35	1
Manganese	4.6		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:35	1
Nickel	0.038		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:35	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 13:35	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:35	1
Zinc	0.068	J	0.50	0.020	mg/L		03/24/23 16:46	03/27/23 13:35	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.043	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 20:24	1
Barium	0.25	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 20:24	1
Beryllium	0.0044		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 20:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 20:24	1
Chromium	0.082		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:24	1
Cobalt	0.039		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:24	1
Copper	0.094		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:24	1
Iron	100		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 20:24	1
Lead	0.069		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 20:24	1
Manganese	0.66		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:24	1
Nickel	0.080		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:24	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 20:24	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-7(10-15)-032123

Lab Sample ID: 500-231022-1

Date Collected: 03/21/23 01:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 89.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:24	1
Zinc	0.37	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 20:24	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6600		11	4.4	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Antimony	<1.1	F1	1.1	0.21	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Arsenic	6.4		0.54	0.18	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Barium	37		0.54	0.061	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Beryllium	0.48		0.21	0.050	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Cadmium	0.29		0.11	0.019	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Calcium	49000	B	110	18	mg/Kg	☆	03/24/23 14:24	03/29/23 16:17	10
Chromium	9.9		0.54	0.27	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Cobalt	11		0.27	0.070	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Copper	17	B	0.54	0.15	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Iron	14000		11	5.6	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Lead	15	F1 F2	0.27	0.12	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Magnesium	25000		5.4	2.7	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Manganese	240		0.54	0.078	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Nickel	19		0.54	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Potassium	1000	F1	27	9.5	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Selenium	0.32	J F1	0.54	0.32	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Silver	0.25	J F1	0.27	0.069	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Sodium	91		54	7.9	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Thallium	<0.54		0.54	0.27	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Vanadium	15		0.27	0.063	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1
Zinc	75	F1	1.1	0.47	mg/Kg	☆	03/24/23 14:24	03/28/23 16:13	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 09:32	1

Method: SW846 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		03/27/23 16:10	03/28/23 10:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.018	0.0094	mg/Kg	☆	03/24/23 17:10	03/27/23 10:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.2	0.2	SU			03/23/23 21:58	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-7(10-15)-032123D

Lab Sample ID: 500-231022-2

Date Collected: 03/21/23 01:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 89.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.12		0.018	0.0080	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Bromodichloromethane	<0.0018		0.0018	0.00038	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Bromoform	<0.0018		0.0018	0.00054	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Carbon disulfide	<0.0046		0.0046	0.00096	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Chlorobenzene	<0.0018		0.0018	0.00068	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Chloroform	<0.0018		0.0018	0.00064	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Chloromethane	<0.0046		0.0046	0.0019	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00052	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00056	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
1,1-Dichloroethene	<0.0018	*+	0.0018	0.00063	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
1,2-Dichloropropane	<0.0018		0.0018	0.00048	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00065	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Methyl Ethyl Ketone	0.013		0.0046	0.0020	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Styrene	<0.0018		0.0018	0.00056	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00059	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Tetrachloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Toluene	<0.0018		0.0018	0.00047	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00082	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00065	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00079	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Vinyl chloride	<0.0018		0.0018	0.00082	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	03/21/23 17:18	03/24/23 17:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		75 - 131	03/21/23 17:18	03/24/23 17:17	1
Dibromofluoromethane (Surr)	97		75 - 126	03/21/23 17:18	03/24/23 17:17	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	03/21/23 17:18	03/24/23 17:17	1
Toluene-d8 (Surr)	87		75 - 124	03/21/23 17:18	03/24/23 17:17	1

Method: SW846 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	☼	03/29/23 08:43	03/30/23 18:15	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	03/29/23 08:43	03/30/23 18:15	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	03/29/23 08:43	03/30/23 18:15	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	03/29/23 08:43	03/30/23 18:15	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	03/29/23 08:43	03/30/23 18:15	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-7(10-15)-032123D

Lab Sample ID: 500-231022-2

Date Collected: 03/21/23 01:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 89.2

Method: SW846 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	0.082	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
2,4-Dichlorophenol	<0.36		0.36	0.085	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
2,4-Dinitrophenol	<0.72		0.72	0.63	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
2-Methylnaphthalene	<0.072		0.072	0.0066	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
2-Nitrophenol	<0.36		0.36	0.085	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
4,6-Dinitro-2-methylphenol	<0.72		0.72	0.29	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
4-Chloroaniline	<0.72		0.72	0.17	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
4-Nitrophenol	<0.72		0.72	0.34	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Acenaphthylene	<0.036		0.036	0.0047	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Benzo[a]anthracene	<0.036		0.036	0.0048	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Benzo[a]pyrene	<0.036		0.036	0.0069	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Benzo[b]fluoranthene	<0.036		0.036	0.0077	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Butyl benzyl phthalate	<0.18		0.18	0.068	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Carbazole	<0.18		0.18	0.090	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Chrysene	<0.036		0.036	0.0098	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0069	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Fluorene	<0.036		0.036	0.0050	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Hexachlorobenzene	<0.072		0.072	0.0083	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Hexachlorocyclopentadiene	<0.72		0.72	0.21	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☆	03/29/23 08:43	03/30/23 18:15	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-7(10-15)-032123D

Lab Sample ID: 500-231022-2

Date Collected: 03/21/23 01:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 89.2

Method: SW846 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	0.0093	mg/Kg	☼	03/29/23 08:43	03/30/23 18:15	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	03/29/23 08:43	03/30/23 18:15	1
Naphthalene	<0.036		0.036	0.0055	mg/Kg	☼	03/29/23 08:43	03/30/23 18:15	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	03/29/23 08:43	03/30/23 18:15	1
N-Nitrosodi-n-propylamine	<0.072		0.072	0.044	mg/Kg	☼	03/29/23 08:43	03/30/23 18:15	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	03/29/23 08:43	03/30/23 18:15	1
Pentachlorophenol	<0.72		0.72	0.58	mg/Kg	☼	03/29/23 08:43	03/30/23 18:15	1
Phenanthrene	0.012	J	0.036	0.0050	mg/Kg	☼	03/29/23 08:43	03/30/23 18:15	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	03/29/23 08:43	03/30/23 18:15	1
Pyrene	<0.036		0.036	0.0071	mg/Kg	☼	03/29/23 08:43	03/30/23 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	128		31 - 143	03/29/23 08:43	03/30/23 18:15	1
2-Fluorobiphenyl (Surr)	105		43 - 145	03/29/23 08:43	03/30/23 18:15	1
2-Fluorophenol (Surr)	121		31 - 166	03/29/23 08:43	03/30/23 18:15	1
Nitrobenzene-d5 (Surr)	82		37 - 147	03/29/23 08:43	03/30/23 18:15	1
Phenol-d5 (Surr)	94		30 - 153	03/29/23 08:43	03/30/23 18:15	1
Terphenyl-d14 (Surr)	107		42 - 157	03/29/23 08:43	03/30/23 18:15	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		03/24/23 16:46	03/27/23 13:45	1
Barium	0.35	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 13:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 13:45	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 13:45	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:45	1
Cobalt	0.024	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:45	1
Copper	0.017	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:45	1
Iron	0.20	J**	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 13:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 13:45	1
Manganese	4.5		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:45	1
Nickel	0.033		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:45	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 13:45	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:45	1
Zinc	0.066	J	0.50	0.020	mg/L		03/24/23 16:46	03/27/23 13:45	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 20:27	1
Barium	0.058	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 20:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 20:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 20:27	1
Chromium	0.019	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:27	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:27	1
Copper	0.019	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:27	1
Iron	15		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 20:27	1
Lead	0.0080		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 20:27	1
Manganese	0.16		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:27	1
Nickel	0.016	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:27	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 20:27	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-7(10-15)-032123D

Lab Sample ID: 500-231022-2

Date Collected: 03/21/23 01:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 89.2

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:27	1
Zinc	0.042	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 20:27	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5400		11	4.4	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Antimony	0.27	J	1.1	0.21	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Arsenic	7.0		0.54	0.19	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Barium	25		5.4	0.62	mg/Kg	☆	03/24/23 14:24	03/29/23 16:33	10
Beryllium	0.43		0.22	0.051	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Cadmium	0.27		0.11	0.020	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Calcium	80000	B	110	18	mg/Kg	☆	03/24/23 14:24	03/29/23 16:33	10
Chromium	8.5		0.54	0.27	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Cobalt	11		0.27	0.071	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Copper	25	B	0.54	0.15	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Iron	17000		110	56	mg/Kg	☆	03/24/23 14:24	03/29/23 16:33	10
Lead	12		0.27	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Magnesium	47000		54	27	mg/Kg	☆	03/24/23 14:24	03/29/23 16:33	10
Manganese	340		0.54	0.079	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Nickel	23		0.54	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Potassium	1100		27	9.6	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Selenium	0.53	J	0.54	0.32	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Silver	0.22	J	0.27	0.070	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Sodium	120		54	8.0	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Thallium	<0.54		0.54	0.27	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Vanadium	12		0.27	0.064	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1
Zinc	59		1.1	0.48	mg/Kg	☆	03/24/23 14:24	03/28/23 16:35	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 09:34	1

Method: SW846 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		03/27/23 16:10	03/28/23 10:42	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.017	0.0090	mg/Kg	☆	03/24/23 17:10	03/27/23 10:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.2	0.2	SU			03/23/23 22:00	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-7(15-18)-032123

Lab Sample ID: 500-231022-3

Date Collected: 03/21/23 01:25

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 76.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.064		0.016	0.0071	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Carbon disulfide	<0.0041		0.0041	0.00085	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Chloroform	<0.0016		0.0016	0.00057	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00046	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
1,1-Dichloroethene	<0.0016	*+	0.0016	0.00056	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Methyl Ethyl Ketone	0.0071		0.0041	0.0018	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1
Xylenes, Total	<0.0033		0.0033	0.00052	mg/Kg	☼	03/21/23 17:18	03/24/23 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	03/21/23 17:18	03/24/23 17:42	1
Dibromofluoromethane (Surr)	95		75 - 126	03/21/23 17:18	03/24/23 17:42	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/21/23 17:18	03/24/23 17:42	1
Toluene-d8 (Surr)	92		75 - 124	03/21/23 17:18	03/24/23 17:42	1

Method: SW846 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	☼	03/29/23 08:43	03/30/23 17:28	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	03/29/23 08:43	03/30/23 17:28	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	03/29/23 08:43	03/30/23 17:28	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	03/29/23 08:43	03/30/23 17:28	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	03/29/23 08:43	03/30/23 17:28	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-7(15-18)-032123

Lab Sample ID: 500-231022-3

Date Collected: 03/21/23 01:25

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 76.6

Method: SW846 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	☆	03/29/23 08:43	03/30/23 17:28	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
2,4-Dichlorophenol	<0.41		0.41	0.099	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
2,4-Dinitrophenol	<0.84		0.84	0.73	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
2-Methylnaphthalene	<0.084		0.084	0.0076	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Acenaphthene	<0.041		0.041	0.0075	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Benzo[b]fluoranthene	<0.041		0.041	0.0090	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Hexachlorobenzene	<0.084		0.084	0.0096	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	☆	03/29/23 08:43	03/30/23 17:28	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-7(15-18)-032123

Lab Sample ID: 500-231022-3

Date Collected: 03/21/23 01:25

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 76.6

Method: SW846 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	☼	03/29/23 08:43	03/30/23 17:28	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	03/29/23 08:43	03/30/23 17:28	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	03/29/23 08:43	03/30/23 17:28	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	03/29/23 08:43	03/30/23 17:28	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	03/29/23 08:43	03/30/23 17:28	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	03/29/23 08:43	03/30/23 17:28	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	03/29/23 08:43	03/30/23 17:28	1
Phenanthrene	<0.041		0.041	0.0058	mg/Kg	☼	03/29/23 08:43	03/30/23 17:28	1
Phenol	<0.21		0.21	0.092	mg/Kg	☼	03/29/23 08:43	03/30/23 17:28	1
Pyrene	<0.041		0.041	0.0083	mg/Kg	☼	03/29/23 08:43	03/30/23 17:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	131		31 - 143				03/29/23 08:43	03/30/23 17:28	1
2-Fluorobiphenyl (Surr)	93		43 - 145				03/29/23 08:43	03/30/23 17:28	1
2-Fluorophenol (Surr)	113		31 - 166				03/29/23 08:43	03/30/23 17:28	1
Nitrobenzene-d5 (Surr)	73		37 - 147				03/29/23 08:43	03/30/23 17:28	1
Phenol-d5 (Surr)	90		30 - 153				03/29/23 08:43	03/30/23 17:28	1
Terphenyl-d14 (Surr)	104		42 - 157				03/29/23 08:43	03/30/23 17:28	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J	0.050	0.010	mg/L		03/24/23 16:46	03/27/23 13:48	1
Barium	0.63		0.50	0.050	mg/L		03/24/23 16:46	03/27/23 13:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 13:48	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 13:48	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:48	1
Cobalt	0.040		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:48	1
Copper	0.011	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:48	1
Iron	<0.40	*+	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 13:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 13:48	1
Manganese	6.3		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:48	1
Nickel	0.036		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:48	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 13:48	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:48	1
Zinc	0.040	J	0.50	0.020	mg/L		03/24/23 16:46	03/27/23 13:48	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.063		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 20:30	1
Barium	1.3		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 20:30	1
Beryllium	0.016		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 20:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 20:30	1
Chromium	0.18		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:30	1
Cobalt	0.12		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:30	1
Copper	0.21		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:30	1
Iron	190		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 20:30	1
Lead	0.11		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 20:30	1
Manganese	2.5		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:30	1
Nickel	0.30		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:30	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 20:30	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-7(15-18)-032123

Lab Sample ID: 500-231022-3

Date Collected: 03/21/23 01:25

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 76.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:30	1
Zinc	0.48	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 20:30	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	21000		13	5.1	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Antimony	0.37	J	1.3	0.24	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Arsenic	8.6		0.63	0.21	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Barium	100		0.63	0.072	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Beryllium	0.89		0.25	0.059	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Cadmium	0.11	J	0.13	0.023	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Calcium	2300	B	13	2.1	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Chromium	24		0.63	0.31	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Cobalt	10		0.31	0.082	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Copper	24	B	0.63	0.18	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Iron	27000		13	6.5	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Lead	16		0.31	0.15	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Magnesium	4700		6.3	3.1	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Manganese	420		0.63	0.091	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Nickel	24		0.63	0.18	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Potassium	1300		31	11	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Selenium	0.78		0.63	0.37	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Silver	0.55		0.31	0.081	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Sodium	77		63	9.3	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Thallium	<0.63		0.63	0.31	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Vanadium	34		0.31	0.074	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1
Zinc	61		1.3	0.55	mg/Kg	☆	03/24/23 14:24	03/28/23 16:39	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 09:41	1

Method: SW846 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		03/27/23 16:10	03/28/23 10:44	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.048		0.020	0.011	mg/Kg	☆	03/24/23 17:10	03/27/23 10:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	6.5		0.2	0.2	SU			03/23/23 22:03	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-8(0-5)-032123

Lab Sample ID: 500-231022-4

Date Collected: 03/21/23 01:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 80.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0090	J	0.016	0.0069	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
1,1-Dichloroethene	<0.0016	*+	0.0016	0.00055	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	✱	03/21/23 17:18	03/24/23 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		75 - 131	03/21/23 17:18	03/24/23 18:08	1
Dibromofluoromethane (Surr)	96		75 - 126	03/21/23 17:18	03/24/23 18:08	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	03/21/23 17:18	03/24/23 18:08	1
Toluene-d8 (Surr)	88		75 - 124	03/21/23 17:18	03/24/23 18:08	1

Method: SW846 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	✱	03/29/23 08:43	03/30/23 21:02	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	✱	03/29/23 08:43	03/30/23 21:02	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	✱	03/29/23 08:43	03/30/23 21:02	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	✱	03/29/23 08:43	03/30/23 21:02	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	✱	03/29/23 08:43	03/30/23 21:02	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-8(0-5)-032123

Lab Sample ID: 500-231022-4

Date Collected: 03/21/23 01:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 80.6

Method: SW846 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	☆	03/29/23 08:43	03/30/23 21:02	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
2-Methylnaphthalene	<0.083		0.083	0.0075	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Benzo[a]pyrene	<0.041		0.041	0.0079	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☆	03/29/23 08:43	03/30/23 21:02	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-8(0-5)-032123

Lab Sample ID: 500-231022-4

Date Collected: 03/21/23 01:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 80.6

Method: SW846 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	☼	03/29/23 08:43	03/30/23 21:02	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	03/29/23 08:43	03/30/23 21:02	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	03/29/23 08:43	03/30/23 21:02	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	03/29/23 08:43	03/30/23 21:02	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	03/29/23 08:43	03/30/23 21:02	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	03/29/23 08:43	03/30/23 21:02	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	03/29/23 08:43	03/30/23 21:02	1
Phenanthrene	<0.041		0.041	0.0057	mg/Kg	☼	03/29/23 08:43	03/30/23 21:02	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	03/29/23 08:43	03/30/23 21:02	1
Pyrene	<0.041		0.041	0.0081	mg/Kg	☼	03/29/23 08:43	03/30/23 21:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	124		31 - 143	03/29/23 08:43	03/30/23 21:02	1
2-Fluorobiphenyl (Surr)	86		43 - 145	03/29/23 08:43	03/30/23 21:02	1
2-Fluorophenol (Surr)	104		31 - 166	03/29/23 08:43	03/30/23 21:02	1
Nitrobenzene-d5 (Surr)	69		37 - 147	03/29/23 08:43	03/30/23 21:02	1
Phenol-d5 (Surr)	72		30 - 153	03/29/23 08:43	03/30/23 21:02	1
Terphenyl-d14 (Surr)	113		42 - 157	03/29/23 08:43	03/30/23 21:02	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 13:51	1
Barium	0.46	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 13:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 13:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 13:51	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:51	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:51	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:51	1
Iron	<0.40	*+	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 13:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 13:51	1
Manganese	1.3		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:51	1
Nickel	0.013	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:51	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 13:51	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:51	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 13:51	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.020	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 20:40	1
Barium	0.38	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 20:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 20:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 20:40	1
Chromium	0.073		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:40	1
Cobalt	0.015	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:40	1
Copper	0.060		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:40	1
Iron	67		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 20:40	1
Lead	0.025		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 20:40	1
Manganese	0.28		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:40	1
Nickel	0.063		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:40	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 20:40	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-8(0-5)-032123

Lab Sample ID: 500-231022-4

Date Collected: 03/21/23 01:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 80.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:40	1
Zinc	0.16	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 20:40	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		12	5.0	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Antimony	<1.2		1.2	0.24	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Arsenic	4.9		0.61	0.21	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Barium	69		0.61	0.070	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Beryllium	0.71		0.24	0.057	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Cadmium	0.21		0.12	0.022	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Calcium	51000	B	120	21	mg/Kg	☆	03/24/23 14:24	03/29/23 16:43	10
Chromium	17		0.61	0.30	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Cobalt	9.4		0.30	0.080	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Copper	16	B	0.61	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Iron	17000		12	6.3	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Lead	11		0.30	0.14	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Magnesium	19000		6.1	3.0	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Manganese	360		0.61	0.088	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Nickel	27		0.61	0.18	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Potassium	2000		30	11	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Selenium	<0.61		0.61	0.36	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Silver	0.41		0.30	0.079	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Sodium	580		61	9.0	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Thallium	<0.61		0.61	0.30	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Vanadium	22		0.30	0.072	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1
Zinc	60		1.2	0.54	mg/Kg	☆	03/24/23 14:24	03/28/23 16:42	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 09:43	1

Method: SW846 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		03/27/23 16:10	03/28/23 10:46	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.020	0.010	mg/Kg	☆	03/24/23 17:10	03/27/23 10:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			03/23/23 22:05	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-8(5-10)-032123

Lab Sample ID: 500-231022-5

Date Collected: 03/21/23 01:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0063	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Benzene	<0.0015		0.0015	0.00037	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Bromomethane	<0.0036		0.0036	0.0014	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Carbon disulfide	<0.0036		0.0036	0.00076	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Carbon tetrachloride	<0.0015		0.0015	0.00042	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Chlorobenzene	<0.0015		0.0015	0.00054	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Chloromethane	<0.0036		0.0036	0.0015	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00044	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
1,1-Dichloroethane	<0.0015		0.0015	0.00050	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
1,1-Dichloroethene	<0.0015	*+	0.0015	0.00050	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00051	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Ethylbenzene	<0.0015		0.0015	0.00070	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Styrene	<0.0015		0.0015	0.00044	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00065	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00051	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00049	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Trichloroethene	<0.0015		0.0015	0.00049	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Vinyl chloride	<0.0015		0.0015	0.00064	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1
Xylenes, Total	<0.0029		0.0029	0.00047	mg/Kg	✳	03/21/23 17:18	03/24/23 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		75 - 131	03/21/23 17:18	03/24/23 18:34	1
Dibromofluoromethane (Surr)	97		75 - 126	03/21/23 17:18	03/24/23 18:34	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	03/21/23 17:18	03/24/23 18:34	1
Toluene-d8 (Surr)	90		75 - 124	03/21/23 17:18	03/24/23 18:34	1

Method: SW846 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	✳	03/29/23 08:43	03/30/23 16:40	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	03/29/23 08:43	03/30/23 16:40	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✳	03/29/23 08:43	03/30/23 16:40	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✳	03/29/23 08:43	03/30/23 16:40	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✳	03/29/23 08:43	03/30/23 16:40	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-8(5-10)-032123

Lab Sample ID: 500-231022-5

Date Collected: 03/21/23 01:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.7

Method: SW846 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	✱	03/29/23 08:43	03/30/23 16:40	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✱	03/29/23 08:43	03/30/23 16:40	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-8(5-10)-032123

Lab Sample ID: 500-231022-5

Date Collected: 03/21/23 01:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.7

Method: SW846 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	☼	03/29/23 08:43	03/30/23 16:40	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	03/29/23 08:43	03/30/23 16:40	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	03/29/23 08:43	03/30/23 16:40	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	03/29/23 08:43	03/30/23 16:40	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	03/29/23 08:43	03/30/23 16:40	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	03/29/23 08:43	03/30/23 16:40	1
Pentachlorophenol	<0.79		0.79	0.62	mg/Kg	☼	03/29/23 08:43	03/30/23 16:40	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	03/29/23 08:43	03/30/23 16:40	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	03/29/23 08:43	03/30/23 16:40	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	03/29/23 08:43	03/30/23 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	128		31 - 143				03/29/23 08:43	03/30/23 16:40	1
2-Fluorobiphenyl (Surr)	92		43 - 145				03/29/23 08:43	03/30/23 16:40	1
2-Fluorophenol (Surr)	109		31 - 166				03/29/23 08:43	03/30/23 16:40	1
Nitrobenzene-d5 (Surr)	73		37 - 147				03/29/23 08:43	03/30/23 16:40	1
Phenol-d5 (Surr)	80		30 - 153				03/29/23 08:43	03/30/23 16:40	1
Terphenyl-d14 (Surr)	103		42 - 157				03/29/23 08:43	03/30/23 16:40	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 13:54	1
Barium	0.50		0.50	0.050	mg/L		03/24/23 16:46	03/27/23 13:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 13:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 13:54	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:54	1
Cobalt	0.012	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:54	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:54	1
Iron	0.38	J**	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 13:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 13:54	1
Manganese	2.4		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:54	1
Nickel	0.021	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:54	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 13:54	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:54	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 13:54	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 20:43	1
Barium	0.090	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 20:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 20:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 20:43	1
Chromium	0.024	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:43	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:43	1
Copper	0.018	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:43	1
Iron	17		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 20:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 20:43	1
Manganese	0.14		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:43	1
Nickel	0.018	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:43	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 20:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-8(5-10)-032123

Lab Sample ID: 500-231022-5

Date Collected: 03/21/23 01:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:43	1
Zinc	0.043	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 20:43	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		12	4.7	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Antimony	0.29	J	1.2	0.22	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Arsenic	7.9		0.58	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Barium	56		0.58	0.066	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Beryllium	0.73		0.23	0.054	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Cadmium	0.25		0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Calcium	64000	B	120	20	mg/Kg	☆	03/24/23 14:24	03/29/23 16:46	10
Chromium	17		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Cobalt	12		0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Copper	22	B	0.58	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Iron	20000		12	6.0	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Lead	13		0.29	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Magnesium	24000		5.8	2.9	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Manganese	340		0.58	0.084	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Nickel	32		0.58	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Potassium	2100		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Silver	0.38		0.29	0.075	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Sodium	220		58	8.6	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Vanadium	21		0.29	0.068	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1
Zinc	60		1.2	0.51	mg/Kg	☆	03/24/23 14:24	03/28/23 16:45	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 09:45	1

Method: SW846 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		03/27/23 16:10	03/28/23 10:49	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.019	0.010	mg/Kg	☆	03/24/23 17:10	03/27/23 10:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			03/23/23 22:08	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-8(10-15)-032123

Lab Sample ID: 500-231022-6

Date Collected: 03/21/23 01:55

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 94.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0095	J	0.017	0.0074	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Chloroethane	<0.0042		0.0042	0.0013	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
1,1-Dichloroethene	<0.0017	*+	0.0017	0.00058	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	✳	03/21/23 17:18	03/24/23 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		75 - 131	03/21/23 17:18	03/24/23 18:59	1
Dibromofluoromethane (Surr)	95		75 - 126	03/21/23 17:18	03/24/23 18:59	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	03/21/23 17:18	03/24/23 18:59	1
Toluene-d8 (Surr)	97		75 - 124	03/21/23 17:18	03/24/23 18:59	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.17		0.17	0.037	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
1,2-Dichlorobenzene	<0.17		0.17	0.041	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
1,3-Dichlorobenzene	<0.17		0.17	0.039	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
1,4-Dichlorobenzene	<0.17		0.17	0.044	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.040	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-8(10-15)-032123

Lab Sample ID: 500-231022-6

Date Collected: 03/21/23 01:55

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 94.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.34		0.34	0.079	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
2,4,6-Trichlorophenol	<0.34		0.34	0.12	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
2,4-Dichlorophenol	<0.34		0.34	0.082	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
2,4-Dimethylphenol	<0.34		0.34	0.13	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
2,4-Dinitrophenol	<0.70		0.70	0.61	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
2,4-Dinitrotoluene	<0.17		0.17	0.055	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
2,6-Dinitrotoluene	<0.17		0.17	0.068	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
2-Chloronaphthalene	<0.17		0.17	0.038	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
2-Chlorophenol	<0.17		0.17	0.059	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
2-Methylnaphthalene	<0.070		0.070	0.0064	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
2-Methylphenol	<0.17		0.17	0.055	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
2-Nitroaniline	<0.17		0.17	0.046	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
2-Nitrophenol	<0.34		0.34	0.082	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
3 & 4 Methylphenol	<0.17		0.17	0.058	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.048	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
3-Nitroaniline	<0.34		0.34	0.11	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
4,6-Dinitro-2-methylphenol	<0.70		0.70	0.28	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.046	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
4-Chloro-3-methylphenol	<0.34		0.34	0.12	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
4-Chloroaniline	<0.70		0.70	0.16	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.040	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
4-Nitroaniline	<0.34		0.34	0.14	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
4-Nitrophenol	<0.70		0.70	0.33	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Acenaphthene	<0.034		0.034	0.0062	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Acenaphthylene	<0.034		0.034	0.0046	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Anthracene	<0.034		0.034	0.0058	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Benzo[a]anthracene	<0.034		0.034	0.0046	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Benzo[a]pyrene	<0.034		0.034	0.0067	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Benzo[b]fluoranthene	<0.034		0.034	0.0075	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Benzo[g,h,i]perylene	<0.034		0.034	0.011	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Benzo[k]fluoranthene	<0.034		0.034	0.010	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.035	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.052	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.063	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Butyl benzyl phthalate	<0.17		0.17	0.066	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Carbazole	<0.17		0.17	0.086	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Chrysene	0.013 J		0.034	0.0094	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Dibenz(a,h)anthracene	<0.034		0.034	0.0067	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Dibenzofuran	<0.17		0.17	0.040	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Diethyl phthalate	<0.17		0.17	0.059	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Dimethyl phthalate	<0.17		0.17	0.045	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Di-n-butyl phthalate	<0.17		0.17	0.053	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Di-n-octyl phthalate	<0.17		0.17	0.056	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Fluoranthene	<0.034		0.034	0.0064	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Fluorene	<0.034		0.034	0.0049	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Hexachlorobenzene	<0.070		0.070	0.0080	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Hexachlorobutadiene	<0.17		0.17	0.054	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Hexachlorocyclopentadiene	<0.70		0.70	0.20	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1
Hexachloroethane	<0.17		0.17	0.052	mg/Kg	✳	03/29/23 08:43	03/30/23 19:50	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-8(10-15)-032123

Lab Sample ID: 500-231022-6

Date Collected: 03/21/23 01:55

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 94.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.034		0.034	0.0090	mg/Kg	☼	03/29/23 08:43	03/30/23 19:50	1
Isophorone	<0.17		0.17	0.039	mg/Kg	☼	03/29/23 08:43	03/30/23 19:50	1
Naphthalene	<0.034		0.034	0.0053	mg/Kg	☼	03/29/23 08:43	03/30/23 19:50	1
Nitrobenzene	<0.034		0.034	0.0086	mg/Kg	☼	03/29/23 08:43	03/30/23 19:50	1
N-Nitrosodi-n-propylamine	<0.070		0.070	0.042	mg/Kg	☼	03/29/23 08:43	03/30/23 19:50	1
N-Nitrosodiphenylamine	<0.17		0.17	0.041	mg/Kg	☼	03/29/23 08:43	03/30/23 19:50	1
Pentachlorophenol	<0.70		0.70	0.55	mg/Kg	☼	03/29/23 08:43	03/30/23 19:50	1
Phenanthrene	0.019	J	0.034	0.0048	mg/Kg	☼	03/29/23 08:43	03/30/23 19:50	1
Phenol	<0.17		0.17	0.077	mg/Kg	☼	03/29/23 08:43	03/30/23 19:50	1
Pyrene	0.011	J	0.034	0.0069	mg/Kg	☼	03/29/23 08:43	03/30/23 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	133		31 - 143	03/29/23 08:43	03/30/23 19:50	1
2-Fluorobiphenyl (Surr)	101		43 - 145	03/29/23 08:43	03/30/23 19:50	1
2-Fluorophenol (Surr)	107		31 - 166	03/29/23 08:43	03/30/23 19:50	1
Nitrobenzene-d5 (Surr)	77		37 - 147	03/29/23 08:43	03/30/23 19:50	1
Phenol-d5 (Surr)	86		30 - 153	03/29/23 08:43	03/30/23 19:50	1
Terphenyl-d14 (Surr)	110		42 - 157	03/29/23 08:43	03/30/23 19:50	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 13:58	1
Barium	0.43	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 13:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 13:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 13:58	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:58	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:58	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:58	1
Iron	<0.40	*+	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 13:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 13:58	1
Manganese	2.5		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:58	1
Nickel	0.012	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:58	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 13:58	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 13:58	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 13:58	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 20:46	1
Barium	<0.50		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 20:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 20:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 20:46	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:46	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:46	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:46	1
Iron	6.2		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 20:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 20:46	1
Manganese	0.044		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:46	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:46	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 20:46	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-8(10-15)-032123

Lab Sample ID: 500-231022-6

Date Collected: 03/21/23 01:55

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 94.2

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:46	1
Zinc	0.020	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 20:46	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		10	4.2	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Antimony	0.20	J	1.0	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Arsenic	5.7		0.51	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Barium	61		0.51	0.058	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Beryllium	0.65		0.20	0.048	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Cadmium	0.20		0.10	0.018	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Calcium	50000	B	100	17	mg/Kg	☆	03/24/23 14:24	03/29/23 16:49	10
Chromium	15		0.51	0.25	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Cobalt	7.9		0.25	0.067	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Copper	17	B	0.51	0.14	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Iron	17000		10	5.3	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Lead	12		0.25	0.12	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Magnesium	18000		5.1	2.5	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Manganese	230		0.51	0.074	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Nickel	24		0.51	0.15	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Potassium	1800		25	9.0	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Selenium	<0.51		0.51	0.30	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Silver	0.32		0.25	0.066	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Sodium	340		51	7.5	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Thallium	<0.51		0.51	0.25	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Vanadium	19		0.25	0.060	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1
Zinc	54		1.0	0.45	mg/Kg	☆	03/24/23 14:24	03/28/23 16:48	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 09:47	1

Method: SW846 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		03/27/23 16:10	03/28/23 11:26	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.015	0.0081	mg/Kg	☆	03/24/23 17:10	03/27/23 10:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			03/23/23 22:10	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-9(0-5)-032123

Lab Sample ID: 500-231022-7

Date Collected: 03/21/23 02:10

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.051		0.019	0.0083	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Carbon disulfide	<0.0048		0.0048	0.00099	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Carbon tetrachloride	<0.0019		0.0019	0.00055	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Chlorobenzene	<0.0019		0.0019	0.00070	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Chloroform	<0.0019		0.0019	0.00066	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00053	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Dibromochloromethane	<0.0019		0.0019	0.00062	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
1,1-Dichloroethane	<0.0019		0.0019	0.00065	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
1,1-Dichloroethene	<0.0019	*+	0.0019	0.00066	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
1,2-Dichloropropane	<0.0019		0.0019	0.00049	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00067	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Ethylbenzene	<0.0019		0.0019	0.00091	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0021	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00056	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00061	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Tetrachloroethene	<0.0019		0.0019	0.00065	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Toluene	<0.0019		0.0019	0.00048	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00085	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00067	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00064	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00082	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Vinyl chloride	<0.0019		0.0019	0.00084	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1
Xylenes, Total	<0.0038		0.0038	0.00061	mg/Kg	✳	03/21/23 17:18	03/24/23 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	03/21/23 17:18	03/24/23 19:25	1
Dibromofluoromethane (Surr)	97		75 - 126	03/21/23 17:18	03/24/23 19:25	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	03/21/23 17:18	03/24/23 19:25	1
Toluene-d8 (Surr)	91		75 - 124	03/21/23 17:18	03/24/23 19:25	1

Method: SW846 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	✳	03/29/23 08:43	03/30/23 19:03	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-9(0-5)-032123

Lab Sample ID: 500-231022-7

Date Collected: 03/21/23 02:10

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.8

Method: SW846 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	✳	03/29/23 08:43	03/30/23 19:03	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
2-Methylnaphthalene	0.010	J	0.080	0.0073	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Carbazole	<0.20		0.20	0.099	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Chrysene	0.011	J	0.039	0.011	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	✳	03/29/23 08:43	03/30/23 19:03	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-9(0-5)-032123

Lab Sample ID: 500-231022-7

Date Collected: 03/21/23 02:10

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.8

Method: SW846 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	☼	03/29/23 08:43	03/30/23 19:03	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	03/29/23 08:43	03/30/23 19:03	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	03/29/23 08:43	03/30/23 19:03	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	03/29/23 08:43	03/30/23 19:03	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	03/29/23 08:43	03/30/23 19:03	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	03/29/23 08:43	03/30/23 19:03	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	03/29/23 08:43	03/30/23 19:03	1
Phenanthrene	0.018	J	0.039	0.0055	mg/Kg	☼	03/29/23 08:43	03/30/23 19:03	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	03/29/23 08:43	03/30/23 19:03	1
Pyrene	0.011	J	0.039	0.0079	mg/Kg	☼	03/29/23 08:43	03/30/23 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	134		31 - 143	03/29/23 08:43	03/30/23 19:03	1
2-Fluorobiphenyl (Surr)	103		43 - 145	03/29/23 08:43	03/30/23 19:03	1
2-Fluorophenol (Surr)	118		31 - 166	03/29/23 08:43	03/30/23 19:03	1
Nitrobenzene-d5 (Surr)	78		37 - 147	03/29/23 08:43	03/30/23 19:03	1
Phenol-d5 (Surr)	88		30 - 153	03/29/23 08:43	03/30/23 19:03	1
Terphenyl-d14 (Surr)	109		42 - 157	03/29/23 08:43	03/30/23 19:03	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 14:01	1
Barium	0.37	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 14:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 14:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 14:01	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:01	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:01	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:01	1
Iron	0.23	J**	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 14:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 14:01	1
Manganese	0.036		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:01	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:01	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 14:01	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:01	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 14:01	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 20:49	1
Barium	0.063	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 20:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 20:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 20:49	1
Chromium	0.012	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:49	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:49	1
Copper	0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:49	1
Iron	8.5		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 20:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 20:49	1
Manganese	0.22		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:49	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:49	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 20:49	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-9(0-5)-032123

Lab Sample ID: 500-231022-7

Date Collected: 03/21/23 02:10

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:49	1
Zinc	0.67		0.50	0.020	mg/L		03/24/23 16:47	03/28/23 20:49	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7700		12	4.8	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Arsenic	7.9		0.59	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Barium	36		5.9	0.67	mg/Kg	☆	03/24/23 14:24	03/29/23 16:52	10
Beryllium	0.58		0.24	0.055	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Cadmium	0.23		0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Calcium	92000	B	120	20	mg/Kg	☆	03/24/23 14:24	03/29/23 16:52	10
Chromium	12		0.59	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Cobalt	14		0.29	0.077	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Copper	25	B	0.59	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Iron	20000		120	61	mg/Kg	☆	03/24/23 14:24	03/29/23 16:52	10
Lead	13		0.29	0.14	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Magnesium	52000		59	29	mg/Kg	☆	03/24/23 14:24	03/29/23 16:52	10
Manganese	370		0.59	0.085	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Nickel	29		0.59	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Potassium	2000		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Selenium	<0.59		0.59	0.35	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Silver	0.20	J	0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Sodium	420		59	8.7	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Thallium	<0.59		0.59	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Vanadium	16		0.29	0.070	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1
Zinc	49		1.2	0.52	mg/Kg	☆	03/24/23 14:24	03/28/23 16:52	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 09:49	1

Method: SW846 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		03/27/23 16:10	03/28/23 11:28	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.018	0.0093	mg/Kg	☆	03/24/23 17:10	03/27/23 10:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			03/23/23 22:13	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-10(0-5)-032123

Lab Sample ID: 500-231022-8

Date Collected: 03/21/23 02:25

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 86.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.012	J	0.019	0.0084	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Carbon disulfide	<0.0048		0.0048	0.0010	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Chlorobenzene	<0.0019		0.0019	0.00071	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Chloroform	<0.0019		0.0019	0.00067	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00068	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Ethylbenzene	<0.0019		0.0019	0.00092	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0021	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00057	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00062	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Tetrachloroethene	<0.0019		0.0019	0.00066	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Toluene	<0.0019		0.0019	0.00049	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00085	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00068	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00065	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00083	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Vinyl chloride	<0.0019		0.0019	0.00085	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1
Xylenes, Total	<0.0039		0.0039	0.00062	mg/Kg	☆	03/21/23 17:18	03/29/23 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		75 - 131	03/21/23 17:18	03/29/23 15:56	1
Dibromofluoromethane (Surr)	95		75 - 126	03/21/23 17:18	03/29/23 15:56	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	03/21/23 17:18	03/29/23 15:56	1
Toluene-d8 (Surr)	92		75 - 124	03/21/23 17:18	03/29/23 15:56	1

Method: SW846 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	☆	03/29/23 08:43	03/30/23 19:27	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	03/29/23 08:43	03/30/23 19:27	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	03/29/23 08:43	03/30/23 19:27	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☆	03/29/23 08:43	03/30/23 19:27	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	03/29/23 08:43	03/30/23 19:27	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-10(0-5)-032123

Lab Sample ID: 500-231022-8

Date Collected: 03/21/23 02:25

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 86.1

Method: SW846 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	✳	03/29/23 08:43	03/30/23 19:27	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Benzo[a]anthracene	0.0091	J	0.038	0.0051	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Benzo[a]pyrene	0.014	J	0.038	0.0073	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Benzo[b]fluoranthene	0.021	J	0.038	0.0082	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Chrysene	0.012	J	0.038	0.010	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Fluoranthene	0.015	J	0.038	0.0070	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	03/29/23 08:43	03/30/23 19:27	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-10(0-5)-032123

Lab Sample ID: 500-231022-8

Date Collected: 03/21/23 02:25

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 86.1

Method: SW846 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	☼	03/29/23 08:43	03/30/23 19:27	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	03/29/23 08:43	03/30/23 19:27	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	03/29/23 08:43	03/30/23 19:27	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	03/29/23 08:43	03/30/23 19:27	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.046	mg/Kg	☼	03/29/23 08:43	03/30/23 19:27	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	03/29/23 08:43	03/30/23 19:27	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	03/29/23 08:43	03/30/23 19:27	1
Phenanthrene	0.0086	J	0.038	0.0053	mg/Kg	☼	03/29/23 08:43	03/30/23 19:27	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	03/29/23 08:43	03/30/23 19:27	1
Pyrene	0.014	J	0.038	0.0075	mg/Kg	☼	03/29/23 08:43	03/30/23 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	122		31 - 143	03/29/23 08:43	03/30/23 19:27	1
2-Fluorobiphenyl (Surr)	89		43 - 145	03/29/23 08:43	03/30/23 19:27	1
2-Fluorophenol (Surr)	103		31 - 166	03/29/23 08:43	03/30/23 19:27	1
Nitrobenzene-d5 (Surr)	69		37 - 147	03/29/23 08:43	03/30/23 19:27	1
Phenol-d5 (Surr)	76		30 - 153	03/29/23 08:43	03/30/23 19:27	1
Terphenyl-d14 (Surr)	98		42 - 157	03/29/23 08:43	03/30/23 19:27	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 14:04	1
Barium	0.15	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 14:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 14:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 14:04	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:04	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:04	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:04	1
Iron	<0.40	*+	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 14:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 14:04	1
Manganese	1.3		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:04	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:04	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 14:04	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:04	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 14:04	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 20:52	1
Barium	<0.50		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 20:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 20:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 20:52	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:52	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:52	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:52	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 20:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 20:52	1
Manganese	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:52	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:52	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 20:52	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-10(0-5)-032123

Lab Sample ID: 500-231022-8

Date Collected: 03/21/23 02:25

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 86.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:52	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:47	03/28/23 20:52	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		11	4.6	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Antimony	0.33	J	1.1	0.22	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Arsenic	8.0		0.56	0.19	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Barium	130		0.56	0.064	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Beryllium	0.83		0.23	0.053	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Cadmium	0.26		0.11	0.020	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Calcium	16000	B	11	1.9	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Chromium	17		0.56	0.28	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Cobalt	14		0.28	0.074	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Copper	21	B	0.56	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Iron	20000		11	5.9	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Lead	24		0.28	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Magnesium	9300		5.6	2.8	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Manganese	460		0.56	0.082	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Nickel	39		0.56	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Potassium	1500		28	10	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Selenium	0.38	J	0.56	0.33	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Silver	0.52		0.28	0.073	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Sodium	480		56	8.4	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Vanadium	24		0.28	0.067	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1
Zinc	69		1.1	0.50	mg/Kg	☆	03/24/23 14:24	03/28/23 16:55	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 09:51	1

Method: SW846 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		03/27/23 16:10	03/28/23 11:30	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017		0.017	0.0093	mg/Kg	☆	03/24/23 17:10	03/27/23 10:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			03/23/23 22:15	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-10(5-10)-032123

Lab Sample ID: 500-231022-9

Date Collected: 03/21/23 02:30

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 84.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.041		0.021	0.0092	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Benzene	<0.0021		0.0021	0.00054	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Bromodichloromethane	<0.0021		0.0021	0.00043	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Bromoform	<0.0021		0.0021	0.00061	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Bromomethane	<0.0053		0.0053	0.0020	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Carbon disulfide	<0.0053		0.0053	0.0011	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Carbon tetrachloride	<0.0021		0.0021	0.00061	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Chlorobenzene	<0.0021		0.0021	0.00078	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Chloroethane	<0.0053		0.0053	0.0016	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Chloroform	<0.0021		0.0021	0.00073	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Chloromethane	<0.0053		0.0053	0.0021	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
cis-1,2-Dichloroethene	<0.0021		0.0021	0.00059	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
cis-1,3-Dichloropropene	<0.0021		0.0021	0.00063	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Dibromochloromethane	<0.0021		0.0021	0.00069	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
1,1-Dichloroethane	<0.0021		0.0021	0.00072	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
1,2-Dichloroethane	<0.0053		0.0053	0.0016	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
1,1-Dichloroethene	<0.0021		0.0021	0.00072	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
1,2-Dichloropropane	<0.0021		0.0021	0.00054	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
1,3-Dichloropropene, Total	<0.0021		0.0021	0.00074	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Ethylbenzene	<0.0021		0.0021	0.0010	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
2-Hexanone	<0.0053		0.0053	0.0016	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Methylene Chloride	<0.0053		0.0053	0.0021	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Methyl Ethyl Ketone	<0.0053		0.0053	0.0023	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
methyl isobutyl ketone	<0.0053		0.0053	0.0016	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Methyl tert-butyl ether	<0.0021		0.0021	0.00062	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Styrene	<0.0021		0.0021	0.00064	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
1,1,2,2-Tetrachloroethane	<0.0021		0.0021	0.00067	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Tetrachloroethene	<0.0021		0.0021	0.00072	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Toluene	<0.0021		0.0021	0.00053	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
trans-1,2-Dichloroethene	<0.0021		0.0021	0.00093	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
trans-1,3-Dichloropropene	<0.0021		0.0021	0.00074	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
1,1,1-Trichloroethane	<0.0021		0.0021	0.00071	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
1,1,2-Trichloroethane	<0.0021		0.0021	0.00090	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Trichloroethene	<0.0021		0.0021	0.00071	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Vinyl chloride	<0.0021		0.0021	0.00093	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1
Xylenes, Total	<0.0042		0.0042	0.00067	mg/Kg	☆	03/21/23 17:18	03/29/23 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	03/21/23 17:18	03/29/23 16:22	1
Dibromofluoromethane (Surr)	95		75 - 126	03/21/23 17:18	03/29/23 16:22	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	03/21/23 17:18	03/29/23 16:22	1
Toluene-d8 (Surr)	90		75 - 124	03/21/23 17:18	03/29/23 16:22	1

Method: SW846 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	☆	03/28/23 08:30	03/29/23 20:46	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	03/28/23 08:30	03/29/23 20:46	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	03/28/23 08:30	03/29/23 20:46	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☆	03/28/23 08:30	03/29/23 20:46	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	03/28/23 08:30	03/29/23 20:46	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-10(5-10)-032123

Lab Sample ID: 500-231022-9

Date Collected: 03/21/23 02:30

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 84.1

Method: SW846 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	✱	03/28/23 08:30	03/29/23 20:46	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
2,4-Dinitrophenol	<0.77	F1	0.77	0.67	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
2-Chlorophenol	<0.19	*+ F1	0.19	0.065	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
4,6-Dinitro-2-methylphenol	<0.77	F1	0.77	0.31	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Benzo[g,h,i]perylene	<0.038	F1	0.038	0.012	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Benzo[k]fluoranthene	<0.038	F1	0.038	0.011	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Bis(2-chloroethyl)ether	<0.19	*+ F1	0.19	0.057	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Bis(2-ethylhexyl) phthalate	<0.19	F1	0.19	0.070	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Butyl benzyl phthalate	<0.19	F1	0.19	0.072	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Hexachlorocyclopentadiene	<0.77	F1	0.77	0.22	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✱	03/28/23 08:30	03/29/23 20:46	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-10(5-10)-032123

Lab Sample ID: 500-231022-9

Date Collected: 03/21/23 02:30

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 84.1

Method: SW846 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	☼	03/28/23 08:30	03/29/23 20:46	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	03/28/23 08:30	03/29/23 20:46	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	03/28/23 08:30	03/29/23 20:46	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	03/28/23 08:30	03/29/23 20:46	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	03/28/23 08:30	03/29/23 20:46	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	03/28/23 08:30	03/29/23 20:46	1
Pentachlorophenol	<0.77	F2	0.77	0.61	mg/Kg	☼	03/28/23 08:30	03/29/23 20:46	1
Phenanthrene	0.010	J	0.038	0.0053	mg/Kg	☼	03/28/23 08:30	03/29/23 20:46	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	03/28/23 08:30	03/29/23 20:46	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	03/28/23 08:30	03/29/23 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		31 - 143	03/28/23 08:30	03/29/23 20:46	1
2-Fluorobiphenyl (Surr)	87		43 - 145	03/28/23 08:30	03/29/23 20:46	1
2-Fluorophenol (Surr)	115		31 - 166	03/28/23 08:30	03/29/23 20:46	1
Nitrobenzene-d5 (Surr)	86		37 - 147	03/28/23 08:30	03/29/23 20:46	1
Phenol-d5 (Surr)	104		30 - 153	03/28/23 08:30	03/29/23 20:46	1
Terphenyl-d14 (Surr)	109		42 - 157	03/28/23 08:30	03/29/23 20:46	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 14:07	1
Barium	0.50		0.50	0.050	mg/L		03/24/23 16:46	03/27/23 14:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 14:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 14:07	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:07	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:07	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:07	1
Iron	<0.40	*+	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 14:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 14:07	1
Manganese	4.1		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:07	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:07	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 14:07	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:07	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 14:07	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 20:56	1
Barium	<0.50		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 20:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 20:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 20:56	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:56	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:56	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:56	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 20:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 20:56	1
Manganese	0.043		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:56	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:56	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 20:56	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-10(5-10)-032123

Lab Sample ID: 500-231022-9

Date Collected: 03/21/23 02:30

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 84.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 20:56	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:47	03/28/23 20:56	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7600		12	4.7	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Antimony	<1.2		1.2	0.22	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Arsenic	7.6		0.58	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Barium	63		5.8	0.66	mg/Kg	☆	03/24/23 14:24	03/29/23 16:55	10
Beryllium	0.56		0.23	0.054	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Cadmium	0.17		0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Calcium	78000	B	120	20	mg/Kg	☆	03/24/23 14:24	03/29/23 16:55	10
Chromium	12		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Cobalt	9.2		0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Copper	21	B	0.58	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Iron	21000		120	60	mg/Kg	☆	03/24/23 14:24	03/29/23 16:55	10
Lead	12		0.29	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Magnesium	43000		58	29	mg/Kg	☆	03/24/23 14:24	03/29/23 16:55	10
Manganese	330		0.58	0.084	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Nickel	23		0.58	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Potassium	1500		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Silver	0.22	J	0.29	0.074	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Sodium	280		58	8.5	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Vanadium	17		0.29	0.068	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1
Zinc	51		1.2	0.51	mg/Kg	☆	03/24/23 14:24	03/28/23 17:05	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 09:53	1

Method: SW846 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		03/27/23 16:10	03/28/23 11:32	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.019	0.010	mg/Kg	☆	03/24/23 17:10	03/27/23 10:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			03/23/23 22:18	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-10(10-15)-032123

Lab Sample ID: 500-231022-10

Date Collected: 03/21/23 02:35

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.095		0.020	0.0087	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Benzene	<0.0020		0.0020	0.00051	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Bromodichloromethane	<0.0020		0.0020	0.00041	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Bromoform	<0.0020		0.0020	0.00058	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Bromomethane	<0.0050		0.0050	0.0019	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Carbon disulfide	<0.0050		0.0050	0.0010	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Carbon tetrachloride	<0.0020		0.0020	0.00058	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Chlorobenzene	<0.0020		0.0020	0.00074	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Chloroethane	<0.0050		0.0050	0.0015	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Chloroform	<0.0020		0.0020	0.00069	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Chloromethane	<0.0050		0.0050	0.0020	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00056	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Dibromochloromethane	<0.0020		0.0020	0.00065	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
1,1-Dichloroethane	<0.0020		0.0020	0.00069	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
1,2-Dichloroethane	<0.0050		0.0050	0.0016	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
1,1-Dichloroethene	<0.0020		0.0020	0.00069	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00070	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Ethylbenzene	<0.0020		0.0020	0.00096	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Methylene Chloride	<0.0050		0.0050	0.0020	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0022	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
methyl isobutyl ketone	<0.0050		0.0050	0.0015	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00059	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Styrene	<0.0020		0.0020	0.00060	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00064	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Tetrachloroethene	<0.0020		0.0020	0.00068	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Toluene	<0.0020		0.0020	0.00051	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00089	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00070	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00086	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Trichloroethene	<0.0020		0.0020	0.00068	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Vinyl chloride	<0.0020		0.0020	0.00089	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1
Xylenes, Total	<0.0040		0.0040	0.00064	mg/Kg	☆	03/21/23 17:18	03/29/23 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		75 - 131	03/21/23 17:18	03/29/23 16:48	1
Dibromofluoromethane (Surr)	93		75 - 126	03/21/23 17:18	03/29/23 16:48	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	03/21/23 17:18	03/29/23 16:48	1
Toluene-d8 (Surr)	87		75 - 124	03/21/23 17:18	03/29/23 16:48	1

Method: SW846 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	☆	03/28/23 08:30	03/29/23 12:19	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-10(10-15)-032123

Lab Sample ID: 500-231022-10

Date Collected: 03/21/23 02:35

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.6

Method: SW846 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	☆	03/28/23 08:30	03/29/23 12:19	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
2-Chlorophenol	<0.20	+	0.20	0.067	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Bis(2-chloroethyl)ether	<0.20	+	0.20	0.059	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☆	03/28/23 08:30	03/29/23 12:19	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-10(10-15)-032123

Lab Sample ID: 500-231022-10

Date Collected: 03/21/23 02:35

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.6

Method: SW846 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	☼	03/28/23 08:30	03/29/23 12:19	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	03/28/23 08:30	03/29/23 12:19	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	03/28/23 08:30	03/29/23 12:19	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	03/28/23 08:30	03/29/23 12:19	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	03/28/23 08:30	03/29/23 12:19	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	03/28/23 08:30	03/29/23 12:19	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	03/28/23 08:30	03/29/23 12:19	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	03/28/23 08:30	03/29/23 12:19	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	03/28/23 08:30	03/29/23 12:19	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	03/28/23 08:30	03/29/23 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	95		31 - 143	03/28/23 08:30	03/29/23 12:19	1
2-Fluorobiphenyl (Surr)	83		43 - 145	03/28/23 08:30	03/29/23 12:19	1
2-Fluorophenol (Surr)	116		31 - 166	03/28/23 08:30	03/29/23 12:19	1
Nitrobenzene-d5 (Surr)	83		37 - 147	03/28/23 08:30	03/29/23 12:19	1
Phenol-d5 (Surr)	105		30 - 153	03/28/23 08:30	03/29/23 12:19	1
Terphenyl-d14 (Surr)	112		42 - 157	03/28/23 08:30	03/29/23 12:19	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 14:11	1
Barium	0.72		0.50	0.050	mg/L		03/24/23 16:46	03/27/23 14:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 14:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 14:11	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:11	1
Cobalt	0.015	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:11	1
Copper	0.012	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:11	1
Iron	0.20	J**	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 14:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 14:11	1
Manganese	12		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:11	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:11	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 14:11	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:11	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 14:11	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.028	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 21:09	1
Barium	0.30	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 21:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 21:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 21:09	1
Chromium	0.073		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:09	1
Cobalt	0.028		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:09	1
Copper	0.074		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:09	1
Iron	78		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 21:09	1
Lead	0.035		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 21:09	1
Manganese	0.73		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:09	1
Nickel	0.075		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:09	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 21:09	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-10(10-15)-032123

Lab Sample ID: 500-231022-10

Date Collected: 03/21/23 02:35

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:09	1
Zinc	0.20	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 21:09	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		12	4.7	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Antimony	<1.2		1.2	0.22	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Arsenic	8.9		0.58	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Barium	51		0.58	0.066	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Beryllium	0.74		0.23	0.054	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Cadmium	0.21		0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Calcium	20000	B	12	2.0	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Chromium	14		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Cobalt	8.1		0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Copper	20	B	0.58	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Iron	20000		12	6.0	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Lead	16		0.29	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Magnesium	12000		5.8	2.9	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Manganese	210		0.58	0.084	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Nickel	24		0.58	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Potassium	980		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Silver	0.39		0.29	0.074	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Sodium	59		58	8.5	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Vanadium	22		0.29	0.068	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1
Zinc	63		1.2	0.51	mg/Kg	☆	03/24/23 14:24	03/28/23 17:08	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 09:56	1

Method: SW846 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		03/27/23 16:10	03/28/23 11:38	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.019	0.0098	mg/Kg	☆	03/24/23 17:10	03/27/23 10:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			03/23/23 22:20	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(0-5)-032123

Lab Sample ID: 500-231022-11

Date Collected: 03/21/23 02:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.027		0.022	0.0094	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Benzene	<0.0022		0.0022	0.00055	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Bromodichloromethane	<0.0022		0.0022	0.00044	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Bromoform	<0.0022		0.0022	0.00063	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Bromomethane	<0.0054		0.0054	0.0020	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Carbon disulfide	<0.0054		0.0054	0.0011	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Carbon tetrachloride	<0.0022		0.0022	0.00063	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Chlorobenzene	<0.0022		0.0022	0.00080	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Chloroethane	<0.0054		0.0054	0.0016	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Chloroform	<0.0022		0.0022	0.00075	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Chloromethane	<0.0054		0.0054	0.0022	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
cis-1,2-Dichloroethene	<0.0022		0.0022	0.00061	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
cis-1,3-Dichloropropene	<0.0022		0.0022	0.00065	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Dibromochloromethane	<0.0022		0.0022	0.00071	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
1,1-Dichloroethane	<0.0022		0.0022	0.00074	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
1,2-Dichloroethane	<0.0054		0.0054	0.0017	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
1,1-Dichloroethene	<0.0022		0.0022	0.00074	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
1,2-Dichloropropane	<0.0022		0.0022	0.00056	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
1,3-Dichloropropene, Total	<0.0022		0.0022	0.00076	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Ethylbenzene	<0.0022		0.0022	0.0010	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
2-Hexanone	<0.0054		0.0054	0.0017	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Methylene Chloride	<0.0054		0.0054	0.0021	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Methyl Ethyl Ketone	<0.0054		0.0054	0.0024	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
methyl isobutyl ketone	<0.0054		0.0054	0.0016	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Methyl tert-butyl ether	<0.0022		0.0022	0.00064	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Styrene	<0.0022		0.0022	0.00065	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
1,1,2,2-Tetrachloroethane	<0.0022		0.0022	0.00069	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Tetrachloroethene	<0.0022		0.0022	0.00074	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Toluene	<0.0022		0.0022	0.00055	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
trans-1,2-Dichloroethene	<0.0022		0.0022	0.00096	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
trans-1,3-Dichloropropene	<0.0022		0.0022	0.00076	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
1,1,1-Trichloroethane	<0.0022		0.0022	0.00073	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
1,1,2-Trichloroethane	<0.0022		0.0022	0.00093	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Trichloroethene	<0.0022		0.0022	0.00073	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Vinyl chloride	<0.0022		0.0022	0.00096	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1
Xylenes, Total	<0.0043		0.0043	0.00069	mg/Kg	☼	03/21/23 17:18	03/29/23 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 131	03/21/23 17:18	03/29/23 17:14	1
Dibromofluoromethane (Surr)	94		75 - 126	03/21/23 17:18	03/29/23 17:14	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	03/21/23 17:18	03/29/23 17:14	1
Toluene-d8 (Surr)	91		75 - 124	03/21/23 17:18	03/29/23 17:14	1

Method: SW846 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	☼	03/28/23 08:30	03/29/23 20:22	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(0-5)-032123

Lab Sample ID: 500-231022-11

Date Collected: 03/21/23 02:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.0

Method: SW846 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	✱	03/28/23 08:30	03/29/23 20:22	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
2-Chlorophenol	<0.20	+	0.20	0.066	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Anthracene	0.0065	J	0.039	0.0065	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Benzo[a]anthracene	0.030	J	0.039	0.0052	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Benzo[a]pyrene	0.051		0.039	0.0075	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Benzo[b]fluoranthene	0.063		0.039	0.0084	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Benzo[g,h,i]perylene	0.036	J	0.039	0.013	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Benzo[k]fluoranthene	0.043		0.039	0.011	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Bis(2-chloroethyl)ether	<0.20	+	0.20	0.058	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Chrysene	0.050		0.039	0.011	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Fluoranthene	0.071		0.039	0.0072	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✱	03/28/23 08:30	03/29/23 20:22	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(0-5)-032123

Lab Sample ID: 500-231022-11

Date Collected: 03/21/23 02:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.028	J	0.039	0.010	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
Pentachlorophenol	<0.79		0.79	0.62	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
Phenanthrene	0.040		0.039	0.0054	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
Pyrene	0.060		0.039	0.0077	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		31 - 143				03/28/23 08:30	03/29/23 20:22	1
2-Fluorobiphenyl (Surr)	96		43 - 145				03/28/23 08:30	03/29/23 20:22	1
2-Fluorophenol (Surr)	132		31 - 166				03/28/23 08:30	03/29/23 20:22	1
Nitrobenzene-d5 (Surr)	96		37 - 147				03/28/23 08:30	03/29/23 20:22	1
Phenol-d5 (Surr)	120		30 - 153				03/28/23 08:30	03/29/23 20:22	1
Terphenyl-d14 (Surr)	119		42 - 157				03/28/23 08:30	03/29/23 20:22	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 14:14	1
Barium	0.58		0.50	0.050	mg/L		03/24/23 16:46	03/27/23 14:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 14:14	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 14:14	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:14	1
Cobalt	0.028		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:14	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:14	1
Iron	<0.40	*+	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 14:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 14:14	1
Manganese	7.5		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:14	1
Nickel	0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:14	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 14:14	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:14	1
Zinc	0.069	J	0.50	0.020	mg/L		03/24/23 16:46	03/27/23 14:14	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.034	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 21:19	1
Barium	0.76		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 21:19	1
Beryllium	0.0054		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 21:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 21:19	1
Chromium	0.12		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:19	1
Cobalt	0.020	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:19	1
Copper	0.090		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:19	1
Iron	120		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 21:19	1
Lead	0.081		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 21:19	1
Manganese	0.83		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:19	1
Nickel	0.081		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:19	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 21:19	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(0-5)-032123

Lab Sample ID: 500-231022-11

Date Collected: 03/21/23 02:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.0

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:19	1
Zinc	0.49	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 21:19	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		12	4.7	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Arsenic	7.1		0.58	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Barium	110		0.58	0.066	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Beryllium	0.66		0.23	0.054	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Cadmium	0.32		0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Calcium	7400	B	12	2.0	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Chromium	13		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Cobalt	9.7		0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Copper	14	B	0.58	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Iron	16000		12	6.0	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Lead	27		0.29	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Magnesium	4800		5.8	2.9	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Manganese	280		0.58	0.084	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Nickel	16		0.58	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Potassium	960		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Selenium	0.38	J	0.58	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Silver	0.37		0.29	0.075	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Sodium	1400		58	8.6	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Vanadium	24		0.29	0.068	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Zinc	67		1.2	0.51	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 09:58	1

Method: SW846 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		03/27/23 16:10	03/28/23 11:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.018	0.0094	mg/Kg	☆	03/24/23 17:10	03/27/23 10:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.2	0.2	SU			03/23/23 22:25	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(5-10)-032123

Lab Sample ID: 500-231022-12

Date Collected: 03/21/23 02:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.052		0.019	0.0081	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Benzene	<0.0019		0.0019	0.00047	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Bromoform	<0.0019		0.0019	0.00054	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Bromomethane	<0.0046		0.0046	0.0018	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Carbon disulfide	<0.0046		0.0046	0.00097	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Chlorobenzene	<0.0019		0.0019	0.00069	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Chloroform	<0.0019		0.0019	0.00065	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Chloromethane	<0.0046		0.0046	0.0019	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00056	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
1,1-Dichloroethene	<0.0019		0.0019	0.00064	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
1,2-Dichloropropane	<0.0019		0.0019	0.00048	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00065	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Ethylbenzene	<0.0019		0.0019	0.00089	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Methyl Ethyl Ketone	0.0056		0.0046	0.0021	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Styrene	<0.0019		0.0019	0.00056	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00059	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Tetrachloroethene	<0.0019		0.0019	0.00063	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Toluene	<0.0019		0.0019	0.00047	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00082	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00065	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00062	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00080	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Vinyl chloride	<0.0019		0.0019	0.00082	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	03/21/23 17:18	03/29/23 17:39	1
Dibromofluoromethane (Surr)	93		75 - 126	03/21/23 17:18	03/29/23 17:39	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	03/21/23 17:18	03/29/23 17:39	1
Toluene-d8 (Surr)	90		75 - 124	03/21/23 17:18	03/29/23 17:39	1

Method: SW846 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	☆	03/28/23 08:30	03/29/23 12:43	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(5-10)-032123

Lab Sample ID: 500-231022-12

Date Collected: 03/21/23 02:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.5

Method: SW846 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	☆	03/28/23 08:30	03/29/23 12:43	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2-Chlorophenol	<0.20	*+	0.20	0.069	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Bis(2-chloroethyl)ether	<0.20	*+	0.20	0.060	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(5-10)-032123

Lab Sample ID: 500-231022-12

Date Collected: 03/21/23 02:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.5

Method: SW846 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	☼	03/28/23 08:30	03/29/23 12:43	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	103		31 - 143	03/28/23 08:30	03/29/23 12:43	1
2-Fluorobiphenyl (Surr)	96		43 - 145	03/28/23 08:30	03/29/23 12:43	1
2-Fluorophenol (Surr)	132		31 - 166	03/28/23 08:30	03/29/23 12:43	1
Nitrobenzene-d5 (Surr)	96		37 - 147	03/28/23 08:30	03/29/23 12:43	1
Phenol-d5 (Surr)	117		30 - 153	03/28/23 08:30	03/29/23 12:43	1
Terphenyl-d14 (Surr)	112		42 - 157	03/28/23 08:30	03/29/23 12:43	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 14:23	1
Barium	0.40	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 14:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 14:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 14:23	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:23	1
Cobalt	0.040		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:23	1
Copper	0.010	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:23	1
Iron	<0.40	*+	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 14:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 14:23	1
Manganese	9.7		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:23	1
Nickel	0.042		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:23	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 14:23	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:23	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 14:23	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.018	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 21:22	1
Barium	0.18	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 21:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 21:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 21:22	1
Chromium	0.049		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:22	1
Cobalt	0.020	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:22	1
Copper	0.055		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:22	1
Iron	53		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 21:22	1
Lead	0.039		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 21:22	1
Manganese	0.42		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:22	1
Nickel	0.050		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 21:22	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(5-10)-032123

Lab Sample ID: 500-231022-12

Date Collected: 03/21/23 02:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.5

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:22	1
Zinc	0.12	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 21:22	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7100		12	4.8	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Antimony	0.27	J	1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Arsenic	6.2		0.58	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Barium	60		0.58	0.066	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Beryllium	0.57		0.23	0.054	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Cadmium	0.17		0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Calcium	57000	B	120	20	mg/Kg	☆	03/24/23 14:24	03/29/23 16:58	10
Chromium	8.2		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Cobalt	8.5		0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Copper	9.9	B	0.58	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Iron	12000		12	6.0	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Lead	17		0.29	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Magnesium	28000		5.8	2.9	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Manganese	210		0.58	0.084	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Nickel	15		0.58	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Potassium	840		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Silver	0.33		0.29	0.075	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Sodium	780		58	8.6	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Vanadium	16		0.29	0.069	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Zinc	31		1.2	0.51	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 10:00	1

Method: SW846 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		03/27/23 16:10	03/28/23 11:43	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.019	0.010	mg/Kg	☆	03/24/23 17:10	03/27/23 11:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.2	0.2	SU			03/23/23 22:30	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(5-10)-032123D

Lab Sample ID: 500-231022-13

Date Collected: 03/21/23 02:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 85.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.040		0.018	0.0079	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Carbon disulfide	<0.0045		0.0045	0.00095	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Methyl Ethyl Ketone	0.0056		0.0045	0.0020	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	✱	03/21/23 17:18	03/29/23 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	03/21/23 17:18	03/29/23 18:05	1
Dibromofluoromethane (Surr)	93		75 - 126	03/21/23 17:18	03/29/23 18:05	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/21/23 17:18	03/29/23 18:05	1
Toluene-d8 (Surr)	87		75 - 124	03/21/23 17:18	03/29/23 18:05	1

Method: SW846 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	✱	03/28/23 08:30	03/29/23 13:07	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(5-10)-032123D

Lab Sample ID: 500-231022-13

Date Collected: 03/21/23 02:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 85.4

Method: SW846 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	☆	03/28/23 08:30	03/29/23 13:07	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
2-Chlorophenol	<0.19	*+	0.19	0.065	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Bis(2-chloroethyl)ether	<0.19	*+	0.19	0.057	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Fluoranthene	0.0071	J	0.038	0.0070	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(5-10)-032123D

Lab Sample ID: 500-231022-13

Date Collected: 03/21/23 02:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 85.4

Method: SW846 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	☼	03/28/23 08:30	03/29/23 13:07	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.046	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1
Phenanthrene	0.0056	J	0.038	0.0053	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	104		31 - 143	03/28/23 08:30	03/29/23 13:07	1
2-Fluorobiphenyl (Surr)	93		43 - 145	03/28/23 08:30	03/29/23 13:07	1
2-Fluorophenol (Surr)	136		31 - 166	03/28/23 08:30	03/29/23 13:07	1
Nitrobenzene-d5 (Surr)	92		37 - 147	03/28/23 08:30	03/29/23 13:07	1
Phenol-d5 (Surr)	120		30 - 153	03/28/23 08:30	03/29/23 13:07	1
Terphenyl-d14 (Surr)	109		42 - 157	03/28/23 08:30	03/29/23 13:07	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 14:27	1
Barium	0.49	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 14:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 14:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 14:27	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:27	1
Cobalt	0.044		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:27	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:27	1
Iron	0.25	J**	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 14:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 14:27	1
Manganese	8.6		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:27	1
Nickel	0.041		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:27	1
Selenium	0.021	J B	0.050	0.020	mg/L		03/24/23 16:46	03/27/23 14:27	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:27	1
Zinc	0.022	J	0.50	0.020	mg/L		03/24/23 16:46	03/27/23 14:27	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.017	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 21:25	1
Barium	0.28	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 21:25	1
Beryllium	0.0041		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 21:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 21:25	1
Chromium	0.069		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:25	1
Cobalt	0.023	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:25	1
Copper	0.052		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:25	1
Iron	65		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 21:25	1
Lead	0.045		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 21:25	1
Manganese	0.64		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:25	1
Nickel	0.053		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:25	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 21:25	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(5-10)-032123D

Lab Sample ID: 500-231022-13

Date Collected: 03/21/23 02:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 85.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:25	1
Zinc	0.20	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 21:25	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7900		12	4.7	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Antimony	<1.2		1.2	0.22	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Arsenic	5.5		0.58	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Barium	61		0.58	0.066	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Beryllium	0.58		0.23	0.054	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Cadmium	0.20		0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Calcium	33000	B	12	2.0	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Chromium	8.9		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Cobalt	12		0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Copper	9.9	B	0.58	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Iron	12000		12	6.0	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Lead	19		0.29	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Magnesium	21000		5.8	2.9	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Manganese	170		0.58	0.084	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Nickel	24		0.58	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Potassium	920		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Silver	0.33		0.29	0.074	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Sodium	780		58	8.5	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Vanadium	17		0.29	0.068	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Zinc	36		1.2	0.51	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 10:06	1

Method: SW846 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		03/27/23 16:10	03/28/23 11:45	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.019	0.0099	mg/Kg	☆	03/24/23 17:10	03/27/23 11:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.2	0.2	SU			03/23/23 22:32	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(10-15)-032123

Lab Sample ID: 500-231022-14

Date Collected: 03/21/23 02:55

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 84.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.022		0.018	0.0078	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 131	03/21/23 17:18	03/29/23 18:30	1
Dibromofluoromethane (Surr)	94		75 - 126	03/21/23 17:18	03/29/23 18:30	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	03/21/23 17:18	03/29/23 18:30	1
Toluene-d8 (Surr)	88		75 - 124	03/21/23 17:18	03/29/23 18:30	1

Method: SW846 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	☆	03/28/23 08:30	03/29/23 13:31	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(10-15)-032123

Lab Sample ID: 500-231022-14

Date Collected: 03/21/23 02:55

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 84.8

Method: SW846 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	✱	03/28/23 08:30	03/29/23 13:31	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
2-Chlorophenol	<0.19	*+	0.19	0.065	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
2-Methylnaphthalene	<0.076		0.076	0.0070	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Bis(2-chloroethyl)ether	<0.19	*+	0.19	0.057	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✱	03/28/23 08:30	03/29/23 13:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(10-15)-032123

Lab Sample ID: 500-231022-14

Date Collected: 03/21/23 02:55

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 84.8

Method: SW846 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	☼	03/28/23 08:30	03/29/23 13:31	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	99		31 - 143	03/28/23 08:30	03/29/23 13:31	1
2-Fluorobiphenyl (Surr)	100		43 - 145	03/28/23 08:30	03/29/23 13:31	1
2-Fluorophenol (Surr)	133		31 - 166	03/28/23 08:30	03/29/23 13:31	1
Nitrobenzene-d5 (Surr)	98		37 - 147	03/28/23 08:30	03/29/23 13:31	1
Phenol-d5 (Surr)	114		30 - 153	03/28/23 08:30	03/29/23 13:31	1
Terphenyl-d14 (Surr)	109		42 - 157	03/28/23 08:30	03/29/23 13:31	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 14:30	1
Barium	0.18	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 14:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 14:30	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 14:30	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:30	1
Cobalt	0.064		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:30	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:30	1
Iron	<0.40	*+	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 14:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 14:30	1
Manganese	3.0		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:30	1
Nickel	0.11		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:30	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 14:30	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:30	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 14:30	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 21:28	1
Barium	<0.50		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 21:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 21:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 21:28	1
Chromium	0.011	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:28	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:28	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:28	1
Iron	8.5		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 21:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 21:28	1
Manganese	0.077		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:28	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:28	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 21:28	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(10-15)-032123

Lab Sample ID: 500-231022-14

Date Collected: 03/21/23 02:55

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 84.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:28	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:47	03/28/23 21:28	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2700		12	4.7	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Arsenic	5.5		0.58	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Barium	17		5.8	0.66	mg/Kg	☆	03/24/23 14:24	03/29/23 17:01	10
Beryllium	0.46		0.23	0.054	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Cadmium	0.11	J	0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Calcium	97000	B	120	20	mg/Kg	☆	03/24/23 14:24	03/29/23 17:01	10
Chromium	4.2		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Cobalt	10		0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Copper	9.2	B	0.58	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Iron	13000		120	60	mg/Kg	☆	03/24/23 14:24	03/29/23 17:01	10
Lead	21		0.29	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Magnesium	57000		58	29	mg/Kg	☆	03/24/23 14:24	03/29/23 17:01	10
Manganese	330		0.58	0.084	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Nickel	18		0.58	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Potassium	1400		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Silver	0.31		0.29	0.075	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Sodium	290		58	8.6	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Vanadium	6.4		0.29	0.069	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Zinc	12		1.2	0.51	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 10:08	1

Method: SW846 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		03/27/23 16:10	03/28/23 11:51	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.018	0.0098	mg/Kg	☆	03/24/23 17:10	03/27/23 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.2	0.2	SU			03/23/23 22:35	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-12(0-5)-032123

Lab Sample ID: 500-231022-15

Date Collected: 03/21/23 03:10

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.017	J	0.019	0.0082	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Benzene	<0.0019		0.0019	0.00048	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Bromoform	<0.0019		0.0019	0.00055	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Bromomethane	<0.0047		0.0047	0.0018	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Carbon disulfide	<0.0047		0.0047	0.00097	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Chlorobenzene	<0.0019		0.0019	0.00069	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Chloroethane	<0.0047		0.0047	0.0014	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Chloroform	<0.0019		0.0019	0.00065	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Chloromethane	<0.0047		0.0047	0.0019	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00057	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
1,2-Dichloroethane	<0.0047		0.0047	0.0015	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
1,1-Dichloroethene	<0.0019		0.0019	0.00064	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
1,2-Dichloropropane	<0.0019		0.0019	0.00048	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00066	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Ethylbenzene	<0.0019		0.0019	0.00090	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Methylene Chloride	<0.0047		0.0047	0.0018	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Methyl Ethyl Ketone	<0.0047		0.0047	0.0021	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
methyl isobutyl ketone	<0.0047		0.0047	0.0014	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Styrene	<0.0019		0.0019	0.00057	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00060	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Tetrachloroethene	<0.0019		0.0019	0.00064	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Toluene	<0.0019		0.0019	0.00047	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00083	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00066	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00063	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00080	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Vinyl chloride	<0.0019		0.0019	0.00083	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1
Xylenes, Total	<0.0037		0.0037	0.00060	mg/Kg	✳	03/21/23 17:18	03/29/23 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	03/21/23 17:18	03/29/23 18:56	1
Dibromofluoromethane (Surr)	96		75 - 126	03/21/23 17:18	03/29/23 18:56	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	03/21/23 17:18	03/29/23 18:56	1
Toluene-d8 (Surr)	91		75 - 124	03/21/23 17:18	03/29/23 18:56	1

Method: SW846 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	✳	03/28/23 08:30	03/29/23 13:56	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	✳	03/28/23 08:30	03/29/23 13:56	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✳	03/28/23 08:30	03/29/23 13:56	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✳	03/28/23 08:30	03/29/23 13:56	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✳	03/28/23 08:30	03/29/23 13:56	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-12(0-5)-032123

Lab Sample ID: 500-231022-15

Date Collected: 03/21/23 03:10

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.7

Method: SW846 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	☆	03/28/23 08:30	03/29/23 13:56	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
2,4-Dinitrophenol	<0.78		0.78	0.69	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
2-Chlorophenol	<0.20	*+	0.20	0.066	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
2-Methylnaphthalene	<0.078		0.078	0.0072	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Bis(2-chloroethyl)ether	<0.20	*+	0.20	0.058	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☆	03/28/23 08:30	03/29/23 13:56	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-12(0-5)-032123

Lab Sample ID: 500-231022-15

Date Collected: 03/21/23 03:10

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.7

Method: SW846 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	☼	03/28/23 08:30	03/29/23 13:56	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	03/28/23 08:30	03/29/23 13:56	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	03/28/23 08:30	03/29/23 13:56	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	03/28/23 08:30	03/29/23 13:56	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.048	mg/Kg	☼	03/28/23 08:30	03/29/23 13:56	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	03/28/23 08:30	03/29/23 13:56	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	03/28/23 08:30	03/29/23 13:56	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	03/28/23 08:30	03/29/23 13:56	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	03/28/23 08:30	03/29/23 13:56	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	03/28/23 08:30	03/29/23 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	96		31 - 143	03/28/23 08:30	03/29/23 13:56	1
2-Fluorobiphenyl (Surr)	88		43 - 145	03/28/23 08:30	03/29/23 13:56	1
2-Fluorophenol (Surr)	127		31 - 166	03/28/23 08:30	03/29/23 13:56	1
Nitrobenzene-d5 (Surr)	91		37 - 147	03/28/23 08:30	03/29/23 13:56	1
Phenol-d5 (Surr)	100		30 - 153	03/28/23 08:30	03/29/23 13:56	1
Terphenyl-d14 (Surr)	107		42 - 157	03/28/23 08:30	03/29/23 13:56	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 14:43	1
Barium	0.34	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 14:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 14:43	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 14:43	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:43	1
Cobalt	0.090		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:43	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:43	1
Iron	2.7		0.40	0.20	mg/L		03/29/23 16:07	03/30/23 12:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 14:43	1
Manganese	7.8		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:43	1
Nickel	0.090		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:43	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 14:43	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:43	1
Zinc	0.10	J	0.50	0.020	mg/L		03/24/23 16:46	03/27/23 14:43	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 21:32	1
Barium	<0.50		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 21:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 21:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 21:32	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:32	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:32	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:32	1
Iron	4.6		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 21:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 21:32	1
Manganese	0.040		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:32	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:32	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 21:32	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-12(0-5)-032123

Lab Sample ID: 500-231022-15

Date Collected: 03/21/23 03:10

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:32	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:47	03/28/23 21:32	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3600		12	4.8	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Arsenic	4.0		0.59	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Barium	23		5.9	0.67	mg/Kg	☆	03/24/23 14:24	03/29/23 17:05	10
Beryllium	0.45		0.24	0.055	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Cadmium	0.16		0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Calcium	99000	B	120	20	mg/Kg	☆	03/24/23 14:24	03/29/23 17:05	10
Chromium	5.2		0.59	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Cobalt	6.7		0.29	0.077	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Copper	6.6	B	0.59	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Iron	13000		120	61	mg/Kg	☆	03/24/23 14:24	03/29/23 17:05	10
Lead	12		0.29	0.14	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Magnesium	61000		59	29	mg/Kg	☆	03/24/23 14:24	03/29/23 17:05	10
Manganese	310		0.59	0.085	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Nickel	11		0.59	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Potassium	1100		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Selenium	<0.59		0.59	0.35	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Silver	0.27	J	0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Sodium	260		59	8.7	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Thallium	<0.59		0.59	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Vanadium	8.4		0.29	0.069	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1
Zinc	15		1.2	0.52	mg/Kg	☆	03/24/23 14:24	03/28/23 17:24	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 10:15	1

Method: SW846 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		03/27/23 16:10	03/28/23 11:53	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.018	0.0095	mg/Kg	☆	03/24/23 17:10	03/27/23 11:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0		0.2	0.2	SU			03/23/23 22:37	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-12(5-10)-032123

Lab Sample ID: 500-231022-16

Date Collected: 03/21/23 03:15

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.064		0.022	0.0094	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Benzene	<0.0022		0.0022	0.00055	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Bromodichloromethane	<0.0022		0.0022	0.00044	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Bromoform	<0.0022		0.0022	0.00063	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Bromomethane	<0.0054		0.0054	0.0020	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Carbon disulfide	<0.0054		0.0054	0.0011	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Carbon tetrachloride	<0.0022		0.0022	0.00063	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Chlorobenzene	<0.0022		0.0022	0.00080	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Chloroethane	<0.0054		0.0054	0.0016	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Chloroform	<0.0022		0.0022	0.00075	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Chloromethane	<0.0054		0.0054	0.0022	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
cis-1,2-Dichloroethene	<0.0022		0.0022	0.00061	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
cis-1,3-Dichloropropene	<0.0022		0.0022	0.00065	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Dibromochloromethane	<0.0022		0.0022	0.00071	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
1,1-Dichloroethane	<0.0022		0.0022	0.00074	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
1,2-Dichloroethane	<0.0054		0.0054	0.0017	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
1,1-Dichloroethene	<0.0022		0.0022	0.00075	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
1,2-Dichloropropane	<0.0022		0.0022	0.00056	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
1,3-Dichloropropene, Total	<0.0022		0.0022	0.00076	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Ethylbenzene	<0.0022		0.0022	0.0010	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
2-Hexanone	<0.0054		0.0054	0.0017	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Methylene Chloride	<0.0054		0.0054	0.0021	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Methyl Ethyl Ketone	0.0093		0.0054	0.0024	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
methyl isobutyl ketone	<0.0054		0.0054	0.0016	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Methyl tert-butyl ether	<0.0022		0.0022	0.00064	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Styrene	<0.0022		0.0022	0.00065	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
1,1,2,2-Tetrachloroethane	<0.0022		0.0022	0.00069	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Tetrachloroethene	<0.0022		0.0022	0.00074	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Toluene	<0.0022		0.0022	0.00055	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
trans-1,2-Dichloroethene	<0.0022		0.0022	0.00096	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
trans-1,3-Dichloropropene	<0.0022		0.0022	0.00076	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
1,1,1-Trichloroethane	<0.0022		0.0022	0.00073	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
1,1,2-Trichloroethane	<0.0022		0.0022	0.00093	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Trichloroethene	<0.0022		0.0022	0.00073	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Vinyl chloride	<0.0022		0.0022	0.00096	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1
Xylenes, Total	<0.0043		0.0043	0.00069	mg/Kg	☆	03/21/23 17:18	03/29/23 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	03/21/23 17:18	03/29/23 19:21	1
Dibromofluoromethane (Surr)	93		75 - 126	03/21/23 17:18	03/29/23 19:21	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	03/21/23 17:18	03/29/23 19:21	1
Toluene-d8 (Surr)	86		75 - 124	03/21/23 17:18	03/29/23 19:21	1

Method: SW846 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	☆	03/28/23 08:30	03/29/23 14:20	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	03/28/23 08:30	03/29/23 14:20	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☆	03/28/23 08:30	03/29/23 14:20	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☆	03/28/23 08:30	03/29/23 14:20	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	03/28/23 08:30	03/29/23 14:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-12(5-10)-032123

Lab Sample ID: 500-231022-16

Date Collected: 03/21/23 03:15

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.0

Method: SW846 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	✳	03/28/23 08:30	03/29/23 14:20	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
2-Chlorophenol	<0.19	+	0.19	0.064	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
2-Methylnaphthalene	0.12		0.076	0.0069	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Acenaphthene	0.011	J	0.037	0.0068	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Bis(2-chloroethyl)ether	<0.19	+	0.19	0.056	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Chrysene	<0.037		0.037	0.010	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Fluoranthene	0.0081	J	0.037	0.0070	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Fluorene	0.0089	J	0.037	0.0053	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	03/28/23 08:30	03/29/23 14:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-12(5-10)-032123

Lab Sample ID: 500-231022-16

Date Collected: 03/21/23 03:15

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.0

Method: SW846 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	☼	03/28/23 08:30	03/29/23 14:20	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	03/28/23 08:30	03/29/23 14:20	1
Naphthalene	0.017	J	0.037	0.0058	mg/Kg	☼	03/28/23 08:30	03/29/23 14:20	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	03/28/23 08:30	03/29/23 14:20	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	03/28/23 08:30	03/29/23 14:20	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	03/28/23 08:30	03/29/23 14:20	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	03/28/23 08:30	03/29/23 14:20	1
Phenanthrene	0.032	J	0.037	0.0052	mg/Kg	☼	03/28/23 08:30	03/29/23 14:20	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	03/28/23 08:30	03/29/23 14:20	1
Pyrene	0.010	J	0.037	0.0075	mg/Kg	☼	03/28/23 08:30	03/29/23 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		31 - 143				03/28/23 08:30	03/29/23 14:20	1
2-Fluorobiphenyl (Surr)	73		43 - 145				03/28/23 08:30	03/29/23 14:20	1
2-Fluorophenol (Surr)	110		31 - 166				03/28/23 08:30	03/29/23 14:20	1
Nitrobenzene-d5 (Surr)	72		37 - 147				03/28/23 08:30	03/29/23 14:20	1
Phenol-d5 (Surr)	97		30 - 153				03/28/23 08:30	03/29/23 14:20	1
Terphenyl-d14 (Surr)	102		42 - 157				03/28/23 08:30	03/29/23 14:20	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 14:46	1
Barium	0.63		0.50	0.050	mg/L		03/24/23 16:46	03/27/23 14:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 14:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 14:46	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:46	1
Cobalt	0.050		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:46	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:46	1
Iron	0.75		0.40	0.20	mg/L		03/29/23 16:07	03/30/23 12:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 14:46	1
Manganese	8.6		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:46	1
Nickel	0.055		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:46	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 14:46	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:46	1
Zinc	0.020	J	0.50	0.020	mg/L		03/24/23 16:46	03/27/23 14:46	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 21:35	1
Barium	0.11	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 21:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 21:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 21:35	1
Chromium	0.023	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:35	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:35	1
Copper	0.013	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:35	1
Iron	19		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 21:35	1
Lead	0.013		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 21:35	1
Manganese	0.12		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:35	1
Nickel	0.014	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:35	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 21:35	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-12(5-10)-032123

Lab Sample ID: 500-231022-16

Date Collected: 03/21/23 03:15

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.0

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:35	1
Zinc	0.033	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 21:35	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3600		12	4.8	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Antimony	0.29	J	1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Arsenic	7.5		0.59	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Barium	840		5.9	0.67	mg/Kg	☆	03/24/23 14:24	03/29/23 17:08	10
Beryllium	0.46		0.23	0.055	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Cadmium	0.098	J	0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Calcium	89000	B	120	20	mg/Kg	☆	03/24/23 14:24	03/29/23 17:08	10
Chromium	5.0		0.59	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Cobalt	8.0		0.29	0.077	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Copper	9.1	B	0.59	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Iron	15000		120	61	mg/Kg	☆	03/24/23 14:24	03/29/23 17:08	10
Lead	20		0.29	0.14	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Magnesium	53000		59	29	mg/Kg	☆	03/24/23 14:24	03/29/23 17:08	10
Manganese	330		0.59	0.085	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Nickel	17		0.59	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Potassium	1200		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Selenium	<0.59		0.59	0.35	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Silver	0.31		0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Sodium	180		59	8.7	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Thallium	<0.59		0.59	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Vanadium	8.0		0.29	0.069	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1
Zinc	19		1.2	0.52	mg/Kg	☆	03/24/23 14:24	03/28/23 17:27	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 10:17	1

Method: SW846 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		03/27/23 16:10	03/28/23 11:55	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.019	0.0099	mg/Kg	☆	03/24/23 17:10	03/27/23 11:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			03/23/23 22:40	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-12(10-15)-032123

Lab Sample ID: 500-231022-17

Date Collected: 03/21/23 03:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 79.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0015	J	0.0020	0.00050	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Bromoform	<0.0020		0.0020	0.00057	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Bromomethane	<0.0049		0.0049	0.0019	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Carbon disulfide	<0.0049		0.0049	0.0010	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Carbon tetrachloride	<0.0020		0.0020	0.00057	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Chlorobenzene	<0.0020		0.0020	0.00072	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Chloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Chloroform	<0.0020		0.0020	0.00068	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Chloromethane	<0.0049		0.0049	0.0020	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00059	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Dibromochloromethane	<0.0020		0.0020	0.00064	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
1,1-Dichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
1,1-Dichloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00069	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Ethylbenzene	<0.0020		0.0020	0.00094	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Methylene Chloride	<0.0049		0.0049	0.0019	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Methyl Ethyl Ketone	0.062		0.0049	0.0022	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
methyl isobutyl ketone	<0.0049		0.0049	0.0015	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00058	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Styrene	<0.0020		0.0020	0.00059	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00063	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Tetrachloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Toluene	0.0014	J	0.0020	0.00050	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00087	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00069	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00066	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00084	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Trichloroethene	<0.0020		0.0020	0.00066	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Vinyl chloride	<0.0020		0.0020	0.00087	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1
Xylenes, Total	0.0036	J	0.0039	0.00063	mg/Kg	☼	03/21/23 17:18	03/29/23 19:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 131	03/21/23 17:18	03/29/23 19:47	1
Dibromofluoromethane (Surr)	93		75 - 126	03/21/23 17:18	03/29/23 19:47	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	03/21/23 17:18	03/29/23 19:47	1
Toluene-d8 (Surr)	93		75 - 124	03/21/23 17:18	03/29/23 19:47	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.47	J	0.78	0.13	mg/Kg	☼	03/21/23 03:20	04/04/23 07:32	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		72 - 124	03/21/23 03:20	04/04/23 07:32	50
Dibromofluoromethane (Surr)	104		75 - 120	03/21/23 03:20	04/04/23 07:32	50
1,2-Dichloroethane-d4 (Surr)	105		75 - 126	03/21/23 03:20	04/04/23 07:32	50

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-12(10-15)-032123

Lab Sample ID: 500-231022-17

Date Collected: 03/21/23 03:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 79.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		75 - 120	03/21/23 03:20	04/04/23 07:32	50

Method: SW846 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	☆	03/28/23 08:30	03/29/23 14:44	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
1,4-Dichlorobenzene	<0.21		0.21	0.052	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
2,4,5-Trichlorophenol	<0.41		0.41	0.093	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
2,4-Dimethylphenol	<0.41		0.41	0.15	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
2,6-Dinitrotoluene	<0.21		0.21	0.080	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
2-Chlorophenol	<0.21	*+	0.21	0.070	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
2-Methylnaphthalene	0.073	J	0.082	0.0075	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Acenaphthene	<0.041		0.041	0.0073	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Anthracene	<0.041		0.041	0.0068	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Benzo[a]pyrene	<0.041		0.041	0.0079	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Benzo[b]fluoranthene	<0.041		0.041	0.0088	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Bis(2-chloroethyl)ether	<0.21	*+	0.21	0.061	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-12(10-15)-032123

Lab Sample ID: 500-231022-17

Date Collected: 03/21/23 03:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 79.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	<0.21		0.21	0.053	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Fluoranthene	0.011	J	0.041	0.0076	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Fluorene	<0.041		0.041	0.0057	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Hexachlorobenzene	<0.082		0.082	0.0095	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Indeno[1,2,3-cd]pyrene	<0.041		0.041	0.011	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Naphthalene	0.057		0.041	0.0063	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Pentachlorophenol	<0.82		0.82	0.66	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Phenanthrene	0.0075	J	0.041	0.0057	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Phenol	<0.21		0.21	0.091	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Pyrene	0.0084	J	0.041	0.0081	mg/Kg	☆	03/28/23 08:30	03/29/23 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	95		31 - 143				03/28/23 08:30	03/29/23 14:44	1
2-Fluorobiphenyl (Surr)	86		43 - 145				03/28/23 08:30	03/29/23 14:44	1
2-Fluorophenol (Surr)	126		31 - 166				03/28/23 08:30	03/29/23 14:44	1
Nitrobenzene-d5 (Surr)	82		37 - 147				03/28/23 08:30	03/29/23 14:44	1
Phenol-d5 (Surr)	111		30 - 153				03/28/23 08:30	03/29/23 14:44	1
Terphenyl-d14 (Surr)	105		42 - 157				03/28/23 08:30	03/29/23 14:44	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 14:49	1
Barium	0.40	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 14:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 14:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 14:49	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:49	1
Cobalt	0.041		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:49	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:49	1
Iron	0.21	J**	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 14:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 14:49	1
Manganese	5.9		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:49	1
Nickel	0.047		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:49	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 14:49	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:49	1
Zinc	0.040	J	0.50	0.020	mg/L		03/24/23 16:46	03/27/23 14:49	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 21:38	1
Barium	0.34	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 21:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 21:38	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-12(10-15)-032123

Lab Sample ID: 500-231022-17

Date Collected: 03/21/23 03:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 79.5

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 21:38	1
Chromium	0.067		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:38	1
Cobalt	0.023	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:38	1
Copper	0.049		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:38	1
Iron	60		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 21:38	1
Lead	0.045		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 21:38	1
Manganese	0.46		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:38	1
Nickel	0.050		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:38	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 21:38	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:38	1
Zinc	0.14	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 21:38	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		12	5.0	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Antimony	<1.2		1.2	0.24	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Arsenic	5.6		0.61	0.21	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Barium	120		0.61	0.069	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Beryllium	0.73		0.24	0.057	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Cadmium	0.24		0.12	0.022	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Calcium	18000	B	12	2.1	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Chromium	12		0.61	0.30	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Cobalt	8.1		0.30	0.080	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Copper	14	B	0.61	0.17	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Iron	14000		12	6.3	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Lead	18		0.30	0.14	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Magnesium	12000		6.1	3.0	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Manganese	340		0.61	0.088	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Nickel	16		0.61	0.18	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Potassium	880		30	11	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Selenium	<0.61		0.61	0.36	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Silver	0.42		0.30	0.079	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Sodium	110		61	9.0	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Thallium	<0.61		0.61	0.30	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Vanadium	23		0.30	0.072	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1
Zinc	48		1.2	0.54	mg/Kg	⊛	03/24/23 14:24	03/28/23 17:31	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 10:19	1

Method: SW846 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		03/27/23 16:10	03/28/23 11:58	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.020	0.010	mg/Kg	⊛	03/24/23 17:10	03/27/23 11:14	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-12(10-15)-032123

Lab Sample ID: 500-231022-17

Date Collected: 03/21/23 03:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 79.5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	6.9		0.2	0.2	SU			03/23/23 22:42	1

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Definitions/Glossary

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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 and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control 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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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 exceeds control 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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Chain of Custody Record 640969



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <i>A. Cleves</i>		Site Contact: <i>L. Paine</i>		Date: <i>3-21-23</i>		COC No:													
Company Name: <i>Weston Solutions</i>		Tel/Email:		Lab Contact: <i>R. Wright</i>		Carrier:		<i>3</i> of <i>4</i> COCs													
Address: <i>300 Cambridge Pkwy Ste 300</i>		<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px;"> Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day </div> <div style="text-align: center;"> 500-231022 COC </div> </div>																			
City/State/Zip: <i>Leicester, MA 01545</i>																					
Phone:																					
Fax:																					
Project Name: <i>RPT 051</i>																					
Site: <i>R-10</i>		Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix		# of Cont.		Filtered Sample (Y/N)		Perform MS/MSD (Y/N)		Other Parameters		Sample Specific Notes	

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Other Parameters	Sample Specific Notes											
<i>M-7 (10-15) -032103</i>	<i>3-21-23</i>	<i>0120</i>	<i>G</i>	<i>S</i>	<i>6</i>		<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>										
<i>M-7 (10-15) -032103D</i>		<i>0120</i>																		
<i>M-7 (15-18) -032103</i>		<i>0125</i>																		
<i>M-8 (0-5) -032103</i>		<i>0145</i>																		
<i>M-8 (5-10) -032103</i>		<i>0150</i>																		
<i>M-8 (10-15) -032103</i>		<i>0155</i>																		
<i>M-9 (0-5) -032103</i>		<i>0210</i>																		
<i>M-10 (0-5) -032103</i>		<i>0225</i>																		
<i>M-10 (5-10) -032103</i>		<i>0230</i>																		
<i>M-10 (10-15) -032103</i>		<i>0235</i>																		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months	

Special Instructions/QC Requirements & Comments: *5.9-75.8, 5.5-74.4, 5.8-74.7*

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd		Corr'd		Therm ID No	
Relinquished by <i>[Signature]</i>		Company <i>WS</i>		Date/Time <i>3/21/23</i>		Received by <i>[Signature]</i>		Company <i>CEETA</i>	
Relinquished by <i>[Signature]</i>		Company <i>CEETA</i>		Date/Time <i>3/21/23</i>		Received by <i>[Signature]</i>		Company <i>CEETA</i>	
Relinquished by <i>[Signature]</i>		Company <i>CEETA</i>		Date/Time <i>3/21/23 1500</i>		Received in Laboratory by <i>[Signature]</i>		Company <i>CEETA</i>	

Chain of Custody Record 640970



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>A. Slesare</u>		Site Contact: <u>C. Pene</u>		Date: <u>3-21-23</u>		COC No			
Company Name <u>Weston Solutions</u>		Tel/Email		Lab Contact: <u>R. Whit</u>		Carrier		<u>4</u> of <u>4</u> COCs			
Address <u>800 Knightbridge Pkwy #300</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> .2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day									
City/State/Zip <u>Madison, AL 36067</u>											
Phone											
Fax											
Project Name <u>PDOT 051</u>											
Site <u>R-80</u>		Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sample Specific Notes

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Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sample Specific Notes
M-11(0-5)-032123	3-21-23	0245	G	S	6		X	MS/MSD SWCS Total Metals Fe/C/Spec Metals pb
M-11(5-10)-032123	↓	0250						MS/MSD
M-11(5-10)-032123D	↓	0250						
M-11(10-15)-032123	↓	0255						
M-12(0-5)-032123	↓	0310						
M-12(5-10)-032123	↓	0315						
M-12(10-15)-032123	↓	0320						

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification.
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

Non-Hazard Flammable Skin Irritant Poison B Unknown

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd		Corr'd		Therm ID No	
Relinquished by: <u>[Signature]</u>	Company: <u>WS</u>	Date/Time: <u>3/21/23</u>	Received by: <u>[Signature]</u>	Company: <u>WESTON</u>	Date/Time: <u>3-21-23</u>	Received by: <u>[Signature]</u>	Company: <u>WESTON</u>	Date/Time: <u>3-21-23</u>	Therm ID No: <u>1500</u>
Relinquished by: <u>[Signature]</u>	Company: <u>WESTON</u>	Date/Time: <u>3/21/23</u>	Received by: <u>[Signature]</u>	Company: <u>WESTON</u>	Date/Time: <u>3/21/23</u>	Received by: <u>[Signature]</u>	Company: <u>WESTON</u>	Date/Time: <u>3/21/23</u>	Therm ID No: <u>1500</u>

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 3/31/2023 5:27:24 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231095-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231095-1	M-23(0-5)-032123	Solid	03/21/23 22:05	03/22/23 15:46
500-231095-2	M-23(5-10)-032123	Solid	03/21/23 22:10	03/22/23 15:46
500-231095-3	M-23(10-15)-032123	Solid	03/21/23 22:15	03/22/23 15:46
500-231095-4	M-22(0-5)-032123	Solid	03/21/23 22:40	03/22/23 15:46
500-231095-5	M-22(5-10)-032123	Solid	03/21/23 22:45	03/22/23 15:46
500-231095-6	M-21(0-5)-032123	Solid	03/21/23 23:10	03/22/23 15:46
500-231095-7	M-20(0-5)-032123	Solid	03/21/23 23:25	03/22/23 15:46
500-231095-8	M-19(0-5)-032123	Solid	03/21/23 23:50	03/22/23 15:46
500-231095-9	M-18(0-5)-032223	Solid	03/22/23 00:25	03/22/23 15:46
500-231095-10	RC-4(0-5)-032223	Solid	03/22/23 00:50	03/22/23 15:46
500-231095-11	55-1(0-5)-032223	Solid	03/22/23 02:25	03/22/23 15:46
500-231095-12	55-1(5-10)-032223	Solid	03/22/23 02:30	03/22/23 15:46
500-231095-13	55-1(10-15)-032223	Solid	03/22/23 02:35	03/22/23 15:46
500-231095-14	55-2(0-5)-032223	Solid	03/22/23 03:00	03/22/23 15:46
500-231095-15	55-2(5-10)-032223	Solid	03/22/23 03:05	03/22/23 15:46
500-231095-16	55-2-032223	Water	03/22/23 03:20	03/22/23 15:46
500-231095-17	55-2-032223D	Water	03/22/23 03:20	03/22/23 15:46
500-231095-18	Trip Blank	Water	03/21/23 00:00	03/22/23 15:46

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: M-21(0-5)-032123

Lab Sample ID: 500-231095-6

Date Collected: 03/21/23 23:10

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 78.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0070	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Carbon disulfide	<0.0040		0.0040	0.00084	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
1,2-Dichloroethane	<0.0040		0.0040	0.0013	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Ethylbenzene	<0.0016		0.0016	0.00077	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
2-Hexanone	<0.0040		0.0040	0.0013	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00069	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☆	03/22/23 17:27	03/26/23 20:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		75 - 131	03/22/23 17:27	03/26/23 20:02	1
Dibromofluoromethane (Surr)	98		75 - 126	03/22/23 17:27	03/26/23 20:02	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	03/22/23 17:27	03/26/23 20:02	1
Toluene-d8 (Surr)	87		75 - 124	03/22/23 17:27	03/26/23 20:02	1

Method: SW846 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	☆	03/30/23 08:01	03/30/23 18:36	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.049	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: M-21(0-5)-032123

Lab Sample ID: 500-231095-6

Date Collected: 03/21/23 23:10

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 78.3

Method: SW846 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	☆	03/30/23 08:01	03/30/23 18:36	1
2,4,6-Trichlorophenol	<0.42		0.42	0.14	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
2,4-Dichlorophenol	<0.42		0.42	0.10	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
2,4-Dinitrophenol	<0.85		0.85	0.74	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
2,4-Dinitrotoluene	<0.21		0.21	0.067	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
2,6-Dinitrotoluene	<0.21		0.21	0.083	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
2-Chloronaphthalene	<0.21		0.21	0.047	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
2-Chlorophenol	<0.21		0.21	0.072	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
2-Methylnaphthalene	<0.085		0.085	0.0077	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
2-Methylphenol	<0.21		0.21	0.068	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
2-Nitroaniline	<0.21		0.21	0.057	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
2-Nitrophenol	<0.42		0.42	0.099	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
3 & 4 Methylphenol	<0.21		0.21	0.070	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.059	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
4,6-Dinitro-2-methylphenol	<0.85		0.85	0.34	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.056	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
4-Chloroaniline	<0.85		0.85	0.20	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
4-Nitrophenol	<0.85		0.85	0.40	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Acenaphthene	<0.042		0.042	0.0076	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Acenaphthylene	<0.042		0.042	0.0056	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Anthracene	<0.042		0.042	0.0070	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Benzo[a]anthracene	<0.042		0.042	0.0057	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Benzo[a]pyrene	<0.042		0.042	0.0081	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Benzo[b]fluoranthene	<0.042		0.042	0.0091	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Benzo[g,h,i]perylene	<0.042		0.042	0.014	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Benzo[k]fluoranthene	<0.042		0.042	0.012	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.077	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Butyl benzyl phthalate	<0.21		0.21	0.080	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Carbazole	<0.21		0.21	0.11	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Chrysene	<0.042		0.042	0.011	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0081	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Di-n-octyl phthalate	<0.21		0.21	0.069	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Fluoranthene	<0.042		0.042	0.0078	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Fluorene	<0.042		0.042	0.0059	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Hexachlorobenzene	<0.085		0.085	0.0098	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Hexachlorocyclopentadiene	<0.85		0.85	0.24	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1
Hexachloroethane	<0.21		0.21	0.064	mg/Kg	☆	03/30/23 08:01	03/30/23 18:36	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: M-21(0-5)-032123

Lab Sample ID: 500-231095-6

Date Collected: 03/21/23 23:10

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 78.3

Method: SW846 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	☼	03/30/23 08:01	03/30/23 18:36	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	03/30/23 08:01	03/30/23 18:36	1
Naphthalene	<0.042		0.042	0.0065	mg/Kg	☼	03/30/23 08:01	03/30/23 18:36	1
Nitrobenzene	<0.042		0.042	0.011	mg/Kg	☼	03/30/23 08:01	03/30/23 18:36	1
N-Nitrosodi-n-propylamine	<0.085		0.085	0.051	mg/Kg	☼	03/30/23 08:01	03/30/23 18:36	1
N-Nitrosodiphenylamine	<0.21		0.21	0.050	mg/Kg	☼	03/30/23 08:01	03/30/23 18:36	1
Pentachlorophenol	<0.85		0.85	0.68	mg/Kg	☼	03/30/23 08:01	03/30/23 18:36	1
Phenanthrene	<0.042		0.042	0.0059	mg/Kg	☼	03/30/23 08:01	03/30/23 18:36	1
Phenol	<0.21		0.21	0.094	mg/Kg	☼	03/30/23 08:01	03/30/23 18:36	1
Pyrene	<0.042		0.042	0.0084	mg/Kg	☼	03/30/23 08:01	03/30/23 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	97		31 - 143	03/30/23 08:01	03/30/23 18:36	1
2-Fluorobiphenyl (Surr)	114		43 - 145	03/30/23 08:01	03/30/23 18:36	1
2-Fluorophenol (Surr)	129		31 - 166	03/30/23 08:01	03/30/23 18:36	1
Nitrobenzene-d5 (Surr)	96		37 - 147	03/30/23 08:01	03/30/23 18:36	1
Phenol-d5 (Surr)	116		30 - 153	03/30/23 08:01	03/30/23 18:36	1
Terphenyl-d14 (Surr)	124		42 - 157	03/30/23 08:01	03/30/23 18:36	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/29/23 16:10	03/30/23 14:50	1
Barium	0.31	J	0.50	0.050	mg/L		03/29/23 16:10	03/30/23 14:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/23 16:10	03/30/23 14:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/29/23 16:10	03/30/23 14:50	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 14:50	1
Cobalt	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 14:50	1
Copper	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 14:50	1
Iron	<0.40		0.40	0.20	mg/L		03/29/23 16:10	03/30/23 14:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/23 16:10	03/30/23 14:50	1
Manganese	0.46		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 14:50	1
Nickel	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 14:50	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/23 16:10	03/30/23 14:50	1
Silver	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 14:50	1
Zinc	<0.50		0.50	0.020	mg/L		03/29/23 16:10	03/30/23 14:50	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.039	J	0.050	0.010	mg/L		03/30/23 06:15	03/31/23 13:18	1
Barium	0.49	J	0.50	0.050	mg/L		03/30/23 06:15	03/31/23 13:18	1
Beryllium	0.0070		0.0040	0.0040	mg/L		03/30/23 06:15	03/31/23 13:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 06:15	03/31/23 13:18	1
Chromium	0.16		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:18	1
Cobalt	0.032		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:18	1
Copper	0.10		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:18	1
Iron	150		0.40	0.20	mg/L		03/30/23 06:15	03/31/23 13:18	1
Lead	0.055		0.0075	0.0075	mg/L		03/30/23 06:15	03/31/23 13:18	1
Manganese	0.73		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:18	1
Nickel	0.11		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:18	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 06:15	03/31/23 13:18	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: M-21(0-5)-032123

Lab Sample ID: 500-231095-6

Date Collected: 03/21/23 23:10

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 78.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:18	1
Zinc	0.35	J	0.50	0.020	mg/L		03/30/23 06:15	03/31/23 13:18	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6500		12	5.0	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Antimony	0.30	J	1.2	0.24	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Arsenic	5.4		0.62	0.21	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Barium	53		3.1	0.35	mg/Kg	☆	03/27/23 21:15	03/30/23 19:05	5
Beryllium	0.56		0.25	0.058	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Cadmium	0.22		0.12	0.022	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Calcium	84000	B	62	10	mg/Kg	☆	03/27/23 21:15	03/30/23 19:05	5
Chromium	9.6		0.62	0.31	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Cobalt	7.4		0.31	0.081	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Copper	12		0.62	0.17	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Iron	17000	B	62	32	mg/Kg	☆	03/27/23 21:15	03/30/23 19:05	5
Lead	11		0.31	0.14	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Magnesium	48000		31	15	mg/Kg	☆	03/27/23 21:15	03/30/23 19:05	5
Manganese	400	B	0.62	0.089	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Nickel	15		0.62	0.18	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Potassium	770		31	11	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Selenium	0.36	J	0.62	0.36	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Silver	0.23	J	0.31	0.079	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Sodium	1500		62	9.1	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Thallium	<0.62		0.62	0.31	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Vanadium	17		0.31	0.073	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1
Zinc	30		1.2	0.54	mg/Kg	☆	03/27/23 21:15	03/29/23 21:29	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/30/23 11:25	03/31/23 10:12	1

Method: SW846 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		03/30/23 11:25	03/31/23 11:21	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.044		0.019	0.010	mg/Kg	☆	03/28/23 15:10	03/29/23 08:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.6		0.2	0.2	SU			03/28/23 15:01	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: M-20(0-5)-032123

Lab Sample ID: 500-231095-7

Date Collected: 03/21/23 23:25

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 80.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0076	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Bromoform	<0.0018		0.0018	0.00051	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Dibromochloromethane	<0.0018		0.0018	0.00057	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
1,1-Dichloroethene	<0.0018		0.0018	0.00060	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
1,2-Dichloropropane	<0.0018		0.0018	0.00045	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Ethylbenzene	<0.0018		0.0018	0.00084	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00051	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Toluene	<0.0018		0.0018	0.00044	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00075	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Trichloroethene	<0.0018		0.0018	0.00059	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	✳	03/22/23 17:27	03/26/23 20:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		75 - 131	03/22/23 17:27	03/26/23 20:28	1
Dibromofluoromethane (Surr)	94		75 - 126	03/22/23 17:27	03/26/23 20:28	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	03/22/23 17:27	03/26/23 20:28	1
Toluene-d8 (Surr)	89		75 - 124	03/22/23 17:27	03/26/23 20:28	1

Method: SW846 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	✳	03/30/23 08:01	03/31/23 12:13	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	✳	03/30/23 08:01	03/31/23 12:13	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	✳	03/30/23 08:01	03/31/23 12:13	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	✳	03/30/23 08:01	03/31/23 12:13	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	✳	03/30/23 08:01	03/31/23 12:13	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: M-20(0-5)-032123

Lab Sample ID: 500-231095-7

Date Collected: 03/21/23 23:25

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 80.0

Method: SW846 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	☆	03/30/23 08:01	03/31/23 12:13	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
2-Methylnaphthalene	<0.083		0.083	0.0075	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Anthracene	<0.041		0.041	0.0068	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Benzo[a]anthracene	0.032	J	0.041	0.0055	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Benzo[a]pyrene	0.053		0.041	0.0079	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Benzo[b]fluoranthene	0.072		0.041	0.0088	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Benzo[g,h,i]perylene	0.030	J	0.041	0.013	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Benzo[k]fluoranthene	0.021	J	0.041	0.012	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Chrysene	0.042		0.041	0.011	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Dibenz(a,h)anthracene	0.011	J	0.041	0.0079	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Fluoranthene	0.065		0.041	0.0076	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☆	03/30/23 08:01	03/31/23 12:13	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: M-20(0-5)-032123

Lab Sample ID: 500-231095-7

Date Collected: 03/21/23 23:25

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 80.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.032	J	0.041	0.011	mg/Kg	☼	03/30/23 08:01	03/31/23 12:13	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	03/30/23 08:01	03/31/23 12:13	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	03/30/23 08:01	03/31/23 12:13	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	03/30/23 08:01	03/31/23 12:13	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	03/30/23 08:01	03/31/23 12:13	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	03/30/23 08:01	03/31/23 12:13	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	03/30/23 08:01	03/31/23 12:13	1
Phenanthrene	0.024	J	0.041	0.0057	mg/Kg	☼	03/30/23 08:01	03/31/23 12:13	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	03/30/23 08:01	03/31/23 12:13	1
Pyrene	0.055		0.041	0.0081	mg/Kg	☼	03/30/23 08:01	03/31/23 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		31 - 143	03/30/23 08:01	03/31/23 12:13	1
2-Fluorobiphenyl (Surr)	88		43 - 145	03/30/23 08:01	03/31/23 12:13	1
2-Fluorophenol (Surr)	111		31 - 166	03/30/23 08:01	03/31/23 12:13	1
Nitrobenzene-d5 (Surr)	71		37 - 147	03/30/23 08:01	03/31/23 12:13	1
Phenol-d5 (Surr)	100		30 - 153	03/30/23 08:01	03/31/23 12:13	1
Terphenyl-d14 (Surr)	96		42 - 157	03/30/23 08:01	03/31/23 12:13	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/29/23 16:10	03/30/23 14:53	1
Barium	0.45	J	0.50	0.050	mg/L		03/29/23 16:10	03/30/23 14:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/23 16:10	03/30/23 14:53	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		03/29/23 16:10	03/30/23 14:53	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 14:53	1
Cobalt	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 14:53	1
Copper	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 14:53	1
Iron	0.25	J	0.40	0.20	mg/L		03/29/23 16:10	03/30/23 14:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/23 16:10	03/30/23 14:53	1
Manganese	1.1		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 14:53	1
Nickel	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 14:53	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/23 16:10	03/30/23 14:53	1
Silver	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 14:53	1
Zinc	0.022	J	0.50	0.020	mg/L		03/29/23 16:10	03/30/23 14:53	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.049	J	0.050	0.010	mg/L		03/30/23 06:15	03/31/23 13:22	1
Barium	0.59		0.50	0.050	mg/L		03/30/23 06:15	03/31/23 13:22	1
Beryllium	0.0075		0.0040	0.0040	mg/L		03/30/23 06:15	03/31/23 13:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 06:15	03/31/23 13:22	1
Chromium	0.16		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:22	1
Cobalt	0.035		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:22	1
Copper	0.12		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:22	1
Iron	170		0.40	0.20	mg/L		03/30/23 06:15	03/31/23 13:22	1
Lead	0.11		0.0075	0.0075	mg/L		03/30/23 06:15	03/31/23 13:22	1
Manganese	0.84		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:22	1
Nickel	0.12		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 06:15	03/31/23 13:22	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: M-20(0-5)-032123

Lab Sample ID: 500-231095-7

Date Collected: 03/21/23 23:25

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 80.0

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:22	1
Zinc	0.60		0.50	0.020	mg/L		03/30/23 06:15	03/31/23 13:22	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7200		12	4.9	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Antimony	0.37	J	1.2	0.23	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Arsenic	11		0.60	0.21	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Barium	67		0.60	0.069	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Beryllium	0.62		0.24	0.056	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Cadmium	0.37		0.12	0.022	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Calcium	59000	B	60	10	mg/Kg	☆	03/27/23 21:15	03/30/23 19:08	5
Chromium	10		0.60	0.30	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Cobalt	10		0.30	0.079	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Copper	19		0.60	0.17	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Iron	19000	B	12	6.3	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Lead	32		0.30	0.14	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Magnesium	32000		6.0	3.0	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Manganese	480	B	0.60	0.087	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Nickel	19		0.60	0.18	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Potassium	910		30	11	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Selenium	<0.60		0.60	0.35	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Silver	0.31		0.30	0.078	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Sodium	1200		60	8.9	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Vanadium	16		0.30	0.071	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1
Zinc	69		1.2	0.53	mg/Kg	☆	03/27/23 21:15	03/29/23 21:32	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/30/23 11:25	03/31/23 10:14	1

Method: SW846 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		03/30/23 11:25	03/31/23 11:23	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.019	0.0099	mg/Kg	☆	03/28/23 15:10	03/29/23 08:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.2	0.2	SU			03/28/23 15:04	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: M-19(0-5)-032123

Lab Sample ID: 500-231095-8

Date Collected: 03/21/23 23:50

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 74.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.022		0.022	0.0095	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Benzene	<0.0022		0.0022	0.00055	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Bromodichloromethane	<0.0022		0.0022	0.00044	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Bromoform	<0.0022		0.0022	0.00064	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Bromomethane	<0.0054		0.0054	0.0021	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Carbon disulfide	<0.0054		0.0054	0.0011	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Carbon tetrachloride	<0.0022		0.0022	0.00063	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Chlorobenzene	<0.0022		0.0022	0.00080	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Chloroethane	<0.0054		0.0054	0.0016	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Chloroform	<0.0022		0.0022	0.00076	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Chloromethane	<0.0054		0.0054	0.0022	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
cis-1,2-Dichloroethene	<0.0022		0.0022	0.00061	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
cis-1,3-Dichloropropene	<0.0022		0.0022	0.00066	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Dibromochloromethane	<0.0022		0.0022	0.00071	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
1,1-Dichloroethane	<0.0022		0.0022	0.00075	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
1,2-Dichloroethane	<0.0054		0.0054	0.0017	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
1,1-Dichloroethene	<0.0022		0.0022	0.00075	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
1,2-Dichloropropane	<0.0022		0.0022	0.00056	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
1,3-Dichloropropene, Total	<0.0022		0.0022	0.00076	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Ethylbenzene	<0.0022		0.0022	0.0010	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
2-Hexanone	<0.0054		0.0054	0.0017	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Methylene Chloride	<0.0054		0.0054	0.0021	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Methyl Ethyl Ketone	<0.0054		0.0054	0.0024	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
methyl isobutyl ketone	<0.0054		0.0054	0.0016	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Methyl tert-butyl ether	<0.0022		0.0022	0.00064	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Styrene	<0.0022		0.0022	0.00066	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
1,1,2,2-Tetrachloroethane	<0.0022		0.0022	0.00070	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Tetrachloroethene	<0.0022		0.0022	0.00074	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Toluene	<0.0022		0.0022	0.00055	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
trans-1,2-Dichloroethene	<0.0022		0.0022	0.00096	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
trans-1,3-Dichloropropene	<0.0022		0.0022	0.00076	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
1,1,1-Trichloroethane	<0.0022		0.0022	0.00073	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
1,1,2-Trichloroethane	<0.0022		0.0022	0.00093	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Trichloroethene	<0.0022		0.0022	0.00074	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Vinyl chloride	<0.0022		0.0022	0.00096	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1
Xylenes, Total	<0.0044		0.0044	0.00070	mg/Kg	☆	03/22/23 17:27	03/26/23 20:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		75 - 131	03/22/23 17:27	03/26/23 20:53	1
Dibromofluoromethane (Surr)	98		75 - 126	03/22/23 17:27	03/26/23 20:53	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	03/22/23 17:27	03/26/23 20:53	1
Toluene-d8 (Surr)	88		75 - 124	03/22/23 17:27	03/26/23 20:53	1

Method: SW846 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	☆	03/30/23 08:01	03/31/23 16:05	1
1,2-Dichlorobenzene	<0.21		0.21	0.051	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
1,3-Dichlorobenzene	<0.21		0.21	0.048	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
1,4-Dichlorobenzene	<0.21		0.21	0.055	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.049	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: M-19(0-5)-032123

Lab Sample ID: 500-231095-8

Date Collected: 03/21/23 23:50

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 74.1

Method: SW846 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	☆	03/30/23 08:01	03/31/23 16:05	1
2,4,6-Trichlorophenol	<0.42		0.42	0.15	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
2,4-Dichlorophenol	<0.42		0.42	0.10	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
2,4-Dinitrophenol	<0.86		0.86	0.75	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
2,4-Dinitrotoluene	<0.21		0.21	0.068	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
2,6-Dinitrotoluene	<0.21		0.21	0.084	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
2-Chloronaphthalene	<0.21		0.21	0.047	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
2-Chlorophenol	<0.21		0.21	0.073	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
2-Methylnaphthalene	<0.086		0.086	0.0078	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
2-Methylphenol	<0.21		0.21	0.068	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
2-Nitroaniline	<0.21		0.21	0.057	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
2-Nitrophenol	<0.42		0.42	0.10	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
3 & 4 Methylphenol	<0.21		0.21	0.071	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.060	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
4,6-Dinitro-2-methylphenol	<0.86		0.86	0.34	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.056	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
4-Chloroaniline	<0.86		0.86	0.20	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.050	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
4-Nitrophenol	<0.86		0.86	0.40	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Acenaphthene	<0.042		0.042	0.0076	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Acenaphthylene	<0.042		0.042	0.0056	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Anthracene	0.0090	J	0.042	0.0071	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Benzo[a]anthracene	0.051		0.042	0.0057	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Benzo[a]pyrene	0.084		0.042	0.0082	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Benzo[b]fluoranthene	0.13		0.042	0.0092	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Benzo[g,h,i]perylene	0.047		0.042	0.014	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Benzo[k]fluoranthene	0.041	J	0.042	0.013	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.064	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.078	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Butyl benzyl phthalate	<0.21		0.21	0.081	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Carbazole	<0.21		0.21	0.11	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Chrysene	0.074		0.042	0.012	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0082	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Dibenzofuran	<0.21		0.21	0.050	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Diethyl phthalate	<0.21		0.21	0.072	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Dimethyl phthalate	<0.21		0.21	0.056	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Di-n-butyl phthalate	<0.21		0.21	0.065	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Di-n-octyl phthalate	<0.21		0.21	0.069	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Fluoranthene	0.12		0.042	0.0079	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Fluorene	<0.042		0.042	0.0060	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Hexachlorobenzene	<0.086		0.086	0.0099	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Hexachlorobutadiene	<0.21		0.21	0.067	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Hexachlorocyclopentadiene	<0.86		0.86	0.24	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1
Hexachloroethane	<0.21		0.21	0.065	mg/Kg	☆	03/30/23 08:01	03/31/23 16:05	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: M-19(0-5)-032123

Lab Sample ID: 500-231095-8

Date Collected: 03/21/23 23:50

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 74.1

Method: SW846 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	J	0.042	0.011	mg/Kg	☼	03/30/23 08:01	03/31/23 16:05	1
Isophorone	<0.21		0.21	0.048	mg/Kg	☼	03/30/23 08:01	03/31/23 16:05	1
Naphthalene	<0.042		0.042	0.0065	mg/Kg	☼	03/30/23 08:01	03/31/23 16:05	1
Nitrobenzene	<0.042		0.042	0.011	mg/Kg	☼	03/30/23 08:01	03/31/23 16:05	1
N-Nitrosodi-n-propylamine	<0.086		0.086	0.052	mg/Kg	☼	03/30/23 08:01	03/31/23 16:05	1
N-Nitrosodiphenylamine	<0.21		0.21	0.050	mg/Kg	☼	03/30/23 08:01	03/31/23 16:05	1
Pentachlorophenol	<0.86		0.86	0.68	mg/Kg	☼	03/30/23 08:01	03/31/23 16:05	1
Phenanthrene	0.036	J	0.042	0.0059	mg/Kg	☼	03/30/23 08:01	03/31/23 16:05	1
Phenol	<0.21		0.21	0.094	mg/Kg	☼	03/30/23 08:01	03/31/23 16:05	1
Pyrene	0.11		0.042	0.0085	mg/Kg	☼	03/30/23 08:01	03/31/23 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	140		31 - 143	03/30/23 08:01	03/31/23 16:05	1
2-Fluorobiphenyl (Surr)	100		43 - 145	03/30/23 08:01	03/31/23 16:05	1
2-Fluorophenol (Surr)	119		31 - 166	03/30/23 08:01	03/31/23 16:05	1
Nitrobenzene-d5 (Surr)	79		37 - 147	03/30/23 08:01	03/31/23 16:05	1
Phenol-d5 (Surr)	90		30 - 153	03/30/23 08:01	03/31/23 16:05	1
Terphenyl-d14 (Surr)	117		42 - 157	03/30/23 08:01	03/31/23 16:05	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/29/23 16:10	03/30/23 15:16	1
Barium	0.40	J	0.50	0.050	mg/L		03/29/23 16:10	03/30/23 15:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/23 16:10	03/30/23 15:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/29/23 16:10	03/30/23 15:16	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:16	1
Cobalt	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:16	1
Copper	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:16	1
Iron	0.22	J	0.40	0.20	mg/L		03/29/23 16:10	03/30/23 15:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/23 16:10	03/30/23 15:16	1
Manganese	1.1		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:16	1
Nickel	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:16	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/23 16:10	03/30/23 15:16	1
Silver	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:16	1
Zinc	0.024	J	0.50	0.020	mg/L		03/29/23 16:10	03/30/23 15:16	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.037	J	0.050	0.010	mg/L		03/30/23 06:15	03/31/23 13:25	1
Barium	0.59		0.50	0.050	mg/L		03/30/23 06:15	03/31/23 13:25	1
Beryllium	0.0075		0.0040	0.0040	mg/L		03/30/23 06:15	03/31/23 13:25	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		03/30/23 06:15	03/31/23 13:25	1
Chromium	0.17		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:25	1
Cobalt	0.038		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:25	1
Copper	0.11		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:25	1
Iron	170		0.40	0.20	mg/L		03/30/23 06:15	03/31/23 13:25	1
Lead	0.11		0.0075	0.0075	mg/L		03/30/23 06:15	03/31/23 13:25	1
Manganese	0.73		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:25	1
Nickel	0.10		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:25	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 06:15	03/31/23 13:25	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: M-19(0-5)-032123

Lab Sample ID: 500-231095-8

Date Collected: 03/21/23 23:50

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 74.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:25	1
Zinc	0.69		0.50	0.020	mg/L		03/30/23 06:15	03/31/23 13:25	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9100		13	5.5	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Antimony	0.45	J	1.3	0.26	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Arsenic	5.6		0.67	0.23	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Barium	83		0.67	0.076	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Beryllium	0.75		0.27	0.062	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Cadmium	0.46		0.13	0.024	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Calcium	27000	B	13	2.3	mg/Kg	☆	03/27/23 21:15	03/30/23 19:12	1
Chromium	14		0.67	0.33	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Cobalt	9.4		0.33	0.087	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Copper	21		0.67	0.19	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Iron	19000	B	13	6.9	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Lead	29		0.33	0.15	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Magnesium	18000		6.7	3.3	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Manganese	510	B	0.67	0.097	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Nickel	20		0.67	0.19	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Potassium	970		33	12	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Selenium	<0.67		0.67	0.39	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Silver	0.40		0.33	0.086	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Sodium	1700		67	9.9	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Thallium	<0.67		0.67	0.33	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Vanadium	16		0.33	0.079	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1
Zinc	88		1.3	0.59	mg/Kg	☆	03/27/23 21:15	03/29/23 21:36	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/30/23 11:25	03/31/23 10:16	1

Method: SW846 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		03/30/23 11:25	03/31/23 11:25	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.021	0.011	mg/Kg	☆	03/28/23 15:10	03/29/23 08:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.6		0.2	0.2	SU			03/28/23 15:06	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	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
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery exceeds control 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
^-	Continuing Calibration Verification (CCV) is outside acceptance limits, low biased.
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 exceeds control 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record 640938




Environment Testing
America

Address _____

Regulatory Program. DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>A. Slagge</u>		Site Contact: <u>C. Pene</u>		Date: <u>3-21-23 to 3-22-23</u>		COC No		
Company Name: <u>Western Solutions</u>		Tel/Email		Lab Contact: <u>R. Wright</u>		Carrier		1 of 2 COCs		
Address: <u>300 Knightsbridge Hwy, Nagsco</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS/MSD (Y/N) <u>VOCs</u> <u>SVOCs</u> <u>Total Metals</u> <u>TEP/SEP Metals</u> <u>pH</u>		 500-231095 COC		Sampler		Job / SDG No <u>500-231095</u>
City/State/Zip: <u>Chesham, NJ 08059</u>								For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>		
Phone										
Fax										
Project Name: <u>DDT 051</u>										
Site: <u>I-80</u>										
PO#										
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sample Specific Notes	
1	M-23 (0-5) - 032123	3-21-23	2205	G	S	6		X X X X X		
2	M-23 (5-10) - 032123		2210							
3	M-23 (10-15) - 032123		2215							
4	M-22 (0-5) - 032123		2240							
5	M-22 (5-10) - 032123		2245							
6	M-21 (0-5) - 032123		2310							
7	M-20 (0-5) - 032123		2325							
8	M-19 (0-5) - 032123		2350							
9	M-18 (0-5) - 032223	3-22-23	0025							
10	RC-4 (0-5) - 032223		0050							
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other										
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments: <p style="text-align: right; font-size: 1.2em;">2.8 → 1.7, 3.9 → 2.8</p>										
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd		Corr'd		Therm ID No		
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>3-21-23/1215</u>		Received by: <u>[Signature]</u>		Company: <u>CETA</u>		
Relinquished by: <u>[Signature]</u>		Company: <u>CETA</u>		Date/Time: <u>3-22-23/1540</u>		Received by: <u>[Signature]</u>		Company: <u>CETA</u>		
Relinquished by: <u>[Signature]</u>		Company: <u>CETA</u>		Date/Time: <u>3-22-23/1540</u>		Received in Laboratory by: <u>[Signature]</u>		Company: <u>CETA</u>		

Chain of Custody Record 640939



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager <u>A. Slezers</u>		Site Contact <u>C. Pave</u>		Date <u>3-22-23</u>		COC No				
Company Name <u>Weston Solutions</u>		Tel/Email		Lab Contact <u>R Wright</u>		Carrier		<u>2</u> of <u>2</u> COCs				
Address <u>300 Knightsbridge Parkway Ste 20</u>		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SVOCs Total Metals TCLP / SPCP Metals pH				Sampler				
City/State/Zip <u>Chickadee, IL 60069</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS						For Lab Use Only				
Phone		TAT if different from Below _____						Walk-in Client				
Fax		<input type="checkbox"/> 2 weeks						Lab Sampling				
Project Name <u>DOT 051</u>		<input type="checkbox"/> 1 week						Job / SDG No				
Site <u>2-80</u>		<input type="checkbox"/> 2 days		<u>500-231095</u>								
P O #		<input type="checkbox"/> 1 day										
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes					
<u>11 55-1(0-5)-032223</u>		<u>3-22-23</u>	<u>0225</u>	<u>G</u>	<u>S</u>	<u>6</u>		X	X	X		
<u>12 55-1(5-10)-032223</u>		<u> </u>	<u>0230</u>	<u> </u>	<u> </u>	<u> </u>						
<u>13 55-1(10-15)-032223</u>		<u> </u>	<u>0235</u>	<u> </u>	<u> </u>	<u> </u>						
<u>14 55-2(0-5)-032223</u>		<u> </u>	<u>0300</u>	<u> </u>	<u> </u>	<u> </u>						
<u>15 55-2(5-10)-032223</u>		<u> </u>	<u>0305</u>	<u> </u>	<u> </u>	<u> </u>						
<u>16 55-2-032223</u>		<u> </u>	<u>0320</u>	<u>G</u>	<u>W</u>	<u>6</u>		X	X	X		
<u>17 55-2-032223D</u>		<u> </u>	<u>0320</u>	<u>G</u>	<u>W</u>	<u>6</u>		X	X	X		
<u>18 Trip Blnk</u>		<u>-</u>	<u>-</u>	<u>-</u>	<u>W</u>	<u>2</u>		X				
<u>99 55-2(10-15)-032223</u> <u>99 3/22/23</u>												<u>Added by BETA</u> <u>Discard SS 3/22/23</u> <u>per client</u>
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____												
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months							
Special Instructions/QC Requirements & Comments:												
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____		Corr'd _____		Therm ID No _____				
Relinquished by <u>[Signature]</u>		Company <u>WS</u>		Date/Time <u>3-22-23/1215</u>		Received by <u>[Signature]</u>		Company <u>EETA</u>				
Relinquished by <u>[Signature]</u>		Company <u>EETA</u>		Date/Time <u>3-22-23/1546</u>		Received by <u>[Signature]</u>		Company _____				
Relinquished by _____		Company _____		Date/Time _____		Received by _____		Company <u>EETA</u>				
								Date/Time <u>3/22/23</u>				
								Therm ID No <u>1546</u>				

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 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/6/2023 4:25:35 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231240-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231240-1	M-13(0-5)-032323	Solid	03/23/23 21:10	03/24/23 14:25
500-231240-2	M-14(0-5)-032323	Solid	03/23/23 21:30	03/24/23 14:25
500-231240-3	M-15(0-5)-032323	Solid	03/23/23 21:40	03/24/23 14:25
500-231240-4	M-15(0-5)-032323D	Solid	03/23/23 21:40	03/24/23 14:25
500-231240-5	M-15(5-10)-032323	Solid	03/23/23 21:45	03/24/23 14:25
500-231240-6	M-15(10-15)-032323	Solid	03/23/23 21:50	03/24/23 14:25
500-231240-7	M-15-032323	Water	03/23/23 22:25	03/24/23 14:25
500-231240-8	M-16(0-5)-032323	Solid	03/23/23 22:40	03/24/23 14:25
500-231240-9	M-16(5-10)-032323	Solid	03/23/23 22:45	03/24/23 14:25
500-231240-10	M-17(0-5)-032323	Solid	03/23/23 23:10	03/24/23 14:25
500-231240-11	M-17(5-10)-032323	Solid	03/23/23 23:20	03/24/23 14:25
500-231240-12	M-17(5-10)-032323D	Solid	03/23/23 23:20	03/24/23 14:25
500-231240-13	RC-2(0-5)-032323	Solid	03/23/23 23:40	03/24/23 14:25
500-231240-14	RC-2(5-10)-032323	Solid	03/23/23 23:50	03/24/23 14:25
500-231240-15	RC-2(10-15)-032323	Solid	03/23/23 23:55	03/24/23 14:25
500-231240-16	ROW-59(0-5)-032423	Solid	03/24/23 01:00	03/24/23 14:25
500-231240-17	ROW-60(0-5)-032423	Solid	03/24/23 01:20	03/24/23 14:25
500-231240-18	ROW-60(5-10)-032423	Solid	03/24/23 01:25	03/24/23 14:25
500-231240-19	ROW-57(0-5)-032423	Solid	03/24/23 02:40	03/24/23 14:25
500-231240-20	ROW-58(0-5)-032423	Solid	03/24/23 02:55	03/24/23 14:25



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-13(0-5)-032323

Lab Sample ID: 500-231240-1

Date Collected: 03/23/23 21:10

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0068	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
1,1-Dichloroethene	<0.0016	*+	0.0016	0.00054	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☆	03/24/23 17:35	03/31/23 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	03/24/23 17:35	03/31/23 17:04	1
Dibromofluoromethane (Surr)	91		75 - 126	03/24/23 17:35	03/31/23 17:04	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	03/24/23 17:35	03/31/23 17:04	1
Toluene-d8 (Surr)	91		75 - 124	03/24/23 17:35	03/31/23 17:04	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.36		0.36	0.077	mg/Kg	☆	04/03/23 09:38	04/04/23 23:59	2
1,2-Dichlorobenzene	<0.36		0.36	0.085	mg/Kg	☆	04/03/23 09:38	04/04/23 23:59	2
1,3-Dichlorobenzene	<0.36		0.36	0.080	mg/Kg	☆	04/03/23 09:38	04/04/23 23:59	2
1,4-Dichlorobenzene	<0.36		0.36	0.092	mg/Kg	☆	04/03/23 09:38	04/04/23 23:59	2
2,2'-oxybis[1-chloropropane]	<0.36		0.36	0.083	mg/Kg	☆	04/03/23 09:38	04/04/23 23:59	2

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-13(0-5)-032323

Lab Sample ID: 500-231240-1

Date Collected: 03/23/23 21:10

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.71		0.71	0.16	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
2,4,6-Trichlorophenol	<0.71		0.71	0.25	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
2,4-Dichlorophenol	<0.71		0.71	0.17	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
2,4-Dimethylphenol	<0.71		0.71	0.27	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
2,4-Dinitrophenol	<1.4	F1	1.4	1.3	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
2,4-Dinitrotoluene	<0.36		0.36	0.11	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
2,6-Dinitrotoluene	<0.36		0.36	0.14	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
2-Chloronaphthalene	<0.36		0.36	0.079	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
2-Chlorophenol	<0.36		0.36	0.12	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
2-Methylnaphthalene	<0.14		0.14	0.013	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
2-Methylphenol	<0.36		0.36	0.11	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
2-Nitroaniline	<0.36		0.36	0.096	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
2-Nitrophenol	<0.71		0.71	0.17	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
3 & 4 Methylphenol	<0.36		0.36	0.12	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
3,3'-Dichlorobenzidine	<0.36		0.36	0.10	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
3-Nitroaniline	<0.71		0.71	0.22	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
4,6-Dinitro-2-methylphenol	<1.4	F1	1.4	0.57	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
4-Bromophenyl phenyl ether	<0.36		0.36	0.094	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
4-Chloro-3-methylphenol	<0.71		0.71	0.24	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
4-Chloroaniline	<1.4		1.4	0.34	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
4-Chlorophenyl phenyl ether	<0.36		0.36	0.083	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
4-Nitroaniline	<0.71		0.71	0.30	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
4-Nitrophenol	<1.4		1.4	0.68	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Acenaphthene	<0.071		0.071	0.013	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Acenaphthylene	<0.071		0.071	0.0094	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Anthracene	<0.071		0.071	0.012	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Benzo[a]anthracene	0.040	J	0.071	0.0096	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Benzo[a]pyrene	0.089	*3	0.071	0.014	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Benzo[b]fluoranthene	0.12	*3	0.071	0.015	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Benzo[g,h,i]perylene	0.042	J *3 F1	0.071	0.023	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Benzo[k]fluoranthene	0.039	J *3 F1	0.071	0.021	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Bis(2-chloroethoxy)methane	<0.36		0.36	0.073	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Bis(2-chloroethyl)ether	<0.36	+	0.36	0.11	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Bis(2-ethylhexyl) phthalate	<0.36		0.36	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Butyl benzyl phthalate	<0.36		0.36	0.14	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Carbazole	<0.36		0.36	0.18	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Chrysene	0.063	J	0.071	0.019	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Dibenz(a,h)anthracene	0.016	J *3 F1	0.071	0.014	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Dibenzofuran	<0.36		0.36	0.084	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Diethyl phthalate	<0.36		0.36	0.12	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Dimethyl phthalate	<0.36		0.36	0.093	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Di-n-butyl phthalate	<0.36		0.36	0.11	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Di-n-octyl phthalate	<0.36		0.36	0.12	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Fluoranthene	0.059	J	0.071	0.013	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Fluorene	<0.071		0.071	0.010	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Hexachlorobenzene	<0.14		0.14	0.017	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Hexachlorobutadiene	<0.36		0.36	0.11	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Hexachlorocyclopentadiene	<1.4	F1	1.4	0.41	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2
Hexachloroethane	<0.36	F1	0.36	0.11	mg/Kg	✳	04/03/23 09:38	04/04/23 23:59	2

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-13(0-5)-032323

Lab Sample ID: 500-231240-1

Date Collected: 03/23/23 21:10

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.061	J *3 F1	0.071	0.019	mg/Kg	☼	04/03/23 09:38	04/04/23 23:59	2
Isophorone	<0.36		0.36	0.080	mg/Kg	☼	04/03/23 09:38	04/04/23 23:59	2
Naphthalene	<0.071		0.071	0.011	mg/Kg	☼	04/03/23 09:38	04/04/23 23:59	2
Nitrobenzene	<0.071		0.071	0.018	mg/Kg	☼	04/03/23 09:38	04/04/23 23:59	2
N-Nitrosodi-n-propylamine	<0.14		0.14	0.087	mg/Kg	☼	04/03/23 09:38	04/04/23 23:59	2
N-Nitrosodiphenylamine	<0.36		0.36	0.084	mg/Kg	☼	04/03/23 09:38	04/04/23 23:59	2
Pentachlorophenol	<1.4	F1	1.4	1.1	mg/Kg	☼	04/03/23 09:38	04/04/23 23:59	2
Phenanthrene	0.027	J	0.071	0.010	mg/Kg	☼	04/03/23 09:38	04/04/23 23:59	2
Phenol	<0.36		0.36	0.16	mg/Kg	☼	04/03/23 09:38	04/04/23 23:59	2
Pyrene	0.069	J	0.071	0.014	mg/Kg	☼	04/03/23 09:38	04/04/23 23:59	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	71		31 - 143				04/03/23 09:38	04/04/23 23:59	2
2-Fluorobiphenyl (Surr)	82		43 - 145				04/03/23 09:38	04/04/23 23:59	2
2-Fluorophenol (Surr)	105		31 - 166				04/03/23 09:38	04/04/23 23:59	2
Nitrobenzene-d5 (Surr)	66		37 - 147				04/03/23 09:38	04/04/23 23:59	2
Phenol-d5 (Surr)	89		30 - 153				04/03/23 09:38	04/04/23 23:59	2
Terphenyl-d14 (Surr)	119		42 - 157				04/03/23 09:38	04/04/23 23:59	2

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 19:24	1
Barium	0.34	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 19:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 19:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 19:24	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:24	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:24	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:24	1
Iron	0.21	J	0.40	0.20	mg/L		03/30/23 17:01	04/03/23 19:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 19:24	1
Manganese	0.069		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:24	1
Nickel	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:24	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 19:24	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:24	1
Zinc	0.055	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 19:24	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.024	J	0.050	0.010	mg/L		03/30/23 17:01	04/03/23 16:03	1
Barium	0.21	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 16:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 16:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 16:03	1
Chromium	0.064		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:03	1
Cobalt	0.013	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:03	1
Copper	0.040		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:03	1
Iron	53		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 16:03	1
Lead	0.14		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 16:03	1
Manganese	0.41		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:03	1
Nickel	0.038		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:03	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 16:03	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-13(0-5)-032323

Lab Sample ID: 500-231240-1

Date Collected: 03/23/23 21:10

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:03	1
Zinc	0.20	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 16:03	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3700		11	4.6	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Antimony	0.44	J F1	1.1	0.22	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Arsenic	9.0	F1	0.56	0.19	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Barium	48		2.8	0.32	mg/Kg	☆	03/30/23 14:47	04/03/23 15:27	5
Beryllium	0.48		0.22	0.052	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Cadmium	0.026	J	0.11	0.020	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Calcium	86000		56	9.5	mg/Kg	☆	03/30/23 14:47	04/03/23 15:27	5
Chromium	8.4		0.56	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Cobalt	6.2		0.28	0.073	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Copper	11	B	0.56	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Iron	15000		56	29	mg/Kg	☆	03/30/23 14:47	04/03/23 15:27	5
Lead	81		0.28	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Magnesium	51000	B	28	14	mg/Kg	☆	03/30/23 14:47	04/03/23 15:27	5
Manganese	340	F2	0.56	0.081	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Nickel	12		0.56	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Potassium	1000	F1	28	9.9	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Selenium	<0.56	F1	0.56	0.33	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Silver	0.22	J F1	0.28	0.072	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Sodium	310		56	8.3	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Vanadium	9.4		0.28	0.066	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1
Zinc	46	F1	1.1	0.49	mg/Kg	☆	03/30/23 14:47	03/31/23 22:16	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 11:46	1

Method: SW846 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		03/31/23 17:00	04/03/23 09:55	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0095	mg/Kg	☆	03/29/23 15:40	03/30/23 07:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	9.0		0.2	0.2	SU			03/29/23 13:05	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-14(0-5)-032323

Lab Sample ID: 500-231240-2

Date Collected: 03/23/23 21:30

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 89.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.014		0.014	0.0062	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Bromoform	<0.0014		0.0014	0.00041	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Bromomethane	<0.0035	*	0.0035	0.0013	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Carbon disulfide	<0.0035		0.0035	0.00073	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Chlorobenzene	<0.0014		0.0014	0.00052	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Chloroethane	<0.0035		0.0035	0.0010	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Chloroform	<0.0014		0.0014	0.00049	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Chloromethane	<0.0035		0.0035	0.0014	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00039	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Dibromochloromethane	<0.0014		0.0014	0.00046	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
1,1-Dichloroethane	<0.0014		0.0014	0.00048	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
1,2-Dichloroethane	<0.0035		0.0035	0.0011	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
2-Hexanone	<0.0035		0.0035	0.0011	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Methylene Chloride	<0.0035		0.0035	0.0014	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Methyl Ethyl Ketone	<0.0035		0.0035	0.0016	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
methyl isobutyl ketone	<0.0035		0.0035	0.0010	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00041	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00045	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Tetrachloroethene	<0.0014		0.0014	0.00048	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00047	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1
Xylenes, Total	<0.0028		0.0028	0.00045	mg/Kg	☆	03/24/23 17:35	04/03/23 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		75 - 131	03/24/23 17:35	04/03/23 16:13	1
Dibromofluoromethane (Surr)	101		75 - 126	03/24/23 17:35	04/03/23 16:13	1
1,2-Dichloroethane-d4 (Surr)	120		70 - 134	03/24/23 17:35	04/03/23 16:13	1
Toluene-d8 (Surr)	108		75 - 124	03/24/23 17:35	04/03/23 16:13	1

Method: SW846 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	☆	04/03/23 09:38	04/05/23 14:31	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☆	04/03/23 09:38	04/05/23 14:31	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☆	04/03/23 09:38	04/05/23 14:31	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☆	04/03/23 09:38	04/05/23 14:31	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☆	04/03/23 09:38	04/05/23 14:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-14(0-5)-032323

Lab Sample ID: 500-231240-2

Date Collected: 03/23/23 21:30

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 89.2

Method: SW846 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	☼	04/03/23 09:38	04/05/23 14:31	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Acenaphthene	0.0081	J	0.036	0.0065	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Anthracene	0.019	J	0.036	0.0061	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Benzo[a]anthracene	0.14		0.036	0.0049	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Benzo[a]pyrene	0.20	*3	0.036	0.0070	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Benzo[b]fluoranthene	0.31	*3	0.036	0.0078	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Benzo[g,h,i]perylene	0.075	*3	0.036	0.012	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Benzo[k]fluoranthene	0.11	*3	0.036	0.011	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Bis(2-chloroethyl)ether	<0.18	+	0.18	0.054	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Chrysene	0.18		0.036	0.0099	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Dibenz(a,h)anthracene	0.028	J *3	0.036	0.0070	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Fluoranthene	0.28		0.036	0.0067	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Fluorene	0.0057	J	0.036	0.0051	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-14(0-5)-032323

Lab Sample ID: 500-231240-2

Date Collected: 03/23/23 21:30

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 89.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.10	*3	0.036	0.0094	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Phenanthrene	0.12		0.036	0.0051	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Pyrene	0.26		0.036	0.0072	mg/Kg	☼	04/03/23 09:38	04/05/23 14:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	72		31 - 143				04/03/23 09:38	04/05/23 14:31	1
2-Fluorobiphenyl (Surr)	87		43 - 145				04/03/23 09:38	04/05/23 14:31	1
2-Fluorophenol (Surr)	107		31 - 166				04/03/23 09:38	04/05/23 14:31	1
Nitrobenzene-d5 (Surr)	70		37 - 147				04/03/23 09:38	04/05/23 14:31	1
Phenol-d5 (Surr)	99		30 - 153				04/03/23 09:38	04/05/23 14:31	1
Terphenyl-d14 (Surr)	104		42 - 157				04/03/23 09:38	04/05/23 14:31	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 19:27	1
Barium	0.35	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 19:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 19:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 19:27	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:27	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:27	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:27	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 19:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 19:27	1
Manganese	0.40		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:27	1
Nickel	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:27	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 19:27	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:27	1
Zinc	<0.50		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 19:27	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.058		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 16:06	1
Barium	0.52		0.50	0.050	mg/L		03/30/23 17:01	04/03/23 16:06	1
Beryllium	0.0085		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 16:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 16:06	1
Chromium	0.15		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:06	1
Cobalt	0.049		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:06	1
Copper	0.12		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:06	1
Iron	160		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 16:06	1
Lead	0.29		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 16:06	1
Manganese	1.0		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:06	1
Nickel	0.15		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:06	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 16:06	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-14(0-5)-032323

Lab Sample ID: 500-231240-2

Date Collected: 03/23/23 21:30

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 89.2

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:06	1
Zinc	0.55		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 16:06	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4700		11	4.5	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Antimony	0.36	J	1.1	0.22	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Arsenic	5.7		0.55	0.19	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Barium	39		2.8	0.32	mg/Kg	☆	03/30/23 14:47	04/03/23 15:48	5
Beryllium	0.51		0.22	0.052	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Cadmium	0.029	J	0.11	0.020	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Calcium	88000		55	9.4	mg/Kg	☆	03/30/23 14:47	04/03/23 15:48	5
Chromium	20		0.55	0.27	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Cobalt	6.2		0.28	0.072	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Copper	12	B	0.55	0.15	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Iron	14000		55	29	mg/Kg	☆	03/30/23 14:47	04/03/23 15:48	5
Lead	33		0.28	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Magnesium	52000	B	28	14	mg/Kg	☆	03/30/23 14:47	04/03/23 15:48	5
Manganese	410		0.55	0.080	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Nickel	15		0.55	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Potassium	1200		28	9.8	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Selenium	<0.55		0.55	0.33	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Silver	0.19	J	0.28	0.071	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Sodium	1200		55	8.2	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Thallium	<0.55		0.55	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Vanadium	12		0.28	0.065	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1
Zinc	42		1.1	0.49	mg/Kg	☆	03/30/23 14:47	03/31/23 22:42	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 11:48	1

Method: SW846 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		03/31/23 17:00	04/03/23 09:57	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.017	0.0092	mg/Kg	☆	03/29/23 15:40	03/30/23 07:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.8		0.2	0.2	SU			03/29/23 16:47	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15(0-5)-032323

Lab Sample ID: 500-231240-3

Date Collected: 03/23/23 21:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0076	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Bromoform	<0.0018		0.0018	0.00051	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Carbon disulfide	<0.0044		0.0044	0.00091	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Carbon tetrachloride	<0.0018		0.0018	0.00051	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Chlorobenzene	<0.0018		0.0018	0.00065	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Chloroform	<0.0018		0.0018	0.00061	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00049	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00053	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Dibromochloromethane	<0.0018		0.0018	0.00057	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
1,1-Dichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
1,1-Dichloroethene	<0.0018	*+	0.0018	0.00060	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
1,2-Dichloropropane	<0.0018		0.0018	0.00045	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00061	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Ethylbenzene	<0.0018		0.0018	0.00084	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Methylene Chloride	<0.0044		0.0044	0.0017	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Methyl Ethyl Ketone	<0.0044		0.0044	0.0019	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
methyl isobutyl ketone	<0.0044		0.0044	0.0013	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00051	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Styrene	<0.0018		0.0018	0.00053	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00056	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Tetrachloroethene	<0.0018		0.0018	0.00060	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Toluene	<0.0018		0.0018	0.00044	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00078	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00061	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00059	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00075	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Trichloroethene	<0.0018		0.0018	0.00059	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Vinyl chloride	<0.0018		0.0018	0.00078	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☆	03/24/23 17:35	03/31/23 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	03/24/23 17:35	03/31/23 17:54	1
Dibromofluoromethane (Surr)	94		75 - 126	03/24/23 17:35	03/31/23 17:54	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/24/23 17:35	03/31/23 17:54	1
Toluene-d8 (Surr)	89		75 - 124	03/24/23 17:35	03/31/23 17:54	1

Method: SW846 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	☆	04/03/23 09:38	04/04/23 23:37	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☆	04/03/23 09:38	04/04/23 23:37	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☆	04/03/23 09:38	04/04/23 23:37	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☆	04/03/23 09:38	04/04/23 23:37	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☆	04/03/23 09:38	04/04/23 23:37	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15(0-5)-032323

Lab Sample ID: 500-231240-3

Date Collected: 03/23/23 21:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.7

Method: SW846 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	✳	04/03/23 09:38	04/04/23 23:37	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
2-Methylnaphthalene	0.012	J	0.075	0.0068	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Anthracene	0.012	J	0.037	0.0062	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Benzo[a]anthracene	0.066		0.037	0.0050	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Benzo[a]pyrene	0.15	*3	0.037	0.0072	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Benzo[b]fluoranthene	0.19	*3	0.037	0.0080	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Benzo[g,h,i]perylene	0.048	*3	0.037	0.012	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Benzo[k]fluoranthene	0.075	*3	0.037	0.011	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Bis(2-chloroethyl)ether	<0.19	+	0.19	0.056	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Carbazole	<0.19		0.19	0.093	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Chrysene	0.092		0.037	0.010	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Dibenz(a,h)anthracene	0.019	J *3	0.037	0.0072	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Fluoranthene	0.097		0.037	0.0069	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	✳	04/03/23 09:38	04/04/23 23:37	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15(0-5)-032323

Lab Sample ID: 500-231240-3

Date Collected: 03/23/23 21:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.7

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.061	*3	0.037	0.0096	mg/Kg	☼	04/03/23 09:38	04/04/23 23:37	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/03/23 09:38	04/04/23 23:37	1
Naphthalene	0.0064	J	0.037	0.0057	mg/Kg	☼	04/03/23 09:38	04/04/23 23:37	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	04/03/23 09:38	04/04/23 23:37	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	04/03/23 09:38	04/04/23 23:37	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	04/03/23 09:38	04/04/23 23:37	1
Pentachlorophenol	<0.75		0.75	0.59	mg/Kg	☼	04/03/23 09:38	04/04/23 23:37	1
Phenanthrene	0.054		0.037	0.0052	mg/Kg	☼	04/03/23 09:38	04/04/23 23:37	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	04/03/23 09:38	04/04/23 23:37	1
Pyrene	0.11		0.037	0.0074	mg/Kg	☼	04/03/23 09:38	04/04/23 23:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	73		31 - 143				04/03/23 09:38	04/04/23 23:37	1
2-Fluorobiphenyl (Surr)	90		43 - 145				04/03/23 09:38	04/04/23 23:37	1
2-Fluorophenol (Surr)	117		31 - 166				04/03/23 09:38	04/04/23 23:37	1
Nitrobenzene-d5 (Surr)	75		37 - 147				04/03/23 09:38	04/04/23 23:37	1
Phenol-d5 (Surr)	88		30 - 153				04/03/23 09:38	04/04/23 23:37	1
Terphenyl-d14 (Surr)	119		42 - 157				04/03/23 09:38	04/04/23 23:37	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 19:31	1
Barium	0.30	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 19:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 19:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 19:31	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:31	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:31	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:31	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 19:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 19:31	1
Manganese	0.50		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:31	1
Nickel	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:31	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 19:31	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:31	1
Zinc	0.020	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 19:31	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.028	J	0.050	0.010	mg/L		03/31/23 18:30	04/04/23 14:32	1
Barium	0.25	J	0.50	0.050	mg/L		03/31/23 18:30	04/04/23 14:32	1
Beryllium	0.0058		0.0040	0.0040	mg/L		03/31/23 18:30	04/04/23 14:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/04/23 14:32	1
Chromium	0.096		0.025	0.010	mg/L		03/31/23 18:30	04/04/23 14:32	1
Cobalt	0.025		0.025	0.010	mg/L		03/31/23 18:30	04/04/23 14:32	1
Copper	0.069		0.025	0.010	mg/L		03/31/23 18:30	04/04/23 14:32	1
Iron	87		0.40	0.20	mg/L		03/31/23 18:30	04/04/23 14:32	1
Lead	0.15		0.0075	0.0075	mg/L		03/31/23 18:30	04/04/23 14:32	1
Manganese	0.55		0.025	0.010	mg/L		03/31/23 18:30	04/04/23 14:32	1
Nickel	0.074		0.025	0.010	mg/L		03/31/23 18:30	04/04/23 14:32	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/04/23 14:32	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15(0-5)-032323

Lab Sample ID: 500-231240-3

Date Collected: 03/23/23 21:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/04/23 14:32	1
Zinc	0.23	J	0.50	0.020	mg/L		03/31/23 18:30	04/04/23 14:32	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4600		11	4.6	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Antimony	0.26	J	1.1	0.22	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Arsenic	4.1		0.56	0.19	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Barium	38		2.8	0.32	mg/Kg	☆	03/30/23 14:47	04/03/23 15:52	5
Beryllium	0.51		0.22	0.052	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Cadmium	0.098	J	0.11	0.020	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Calcium	91000		56	9.5	mg/Kg	☆	03/30/23 14:47	04/03/23 15:52	5
Chromium	9.3		0.56	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Cobalt	5.9		0.28	0.073	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Copper	13	B	0.56	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Iron	12000		56	29	mg/Kg	☆	03/30/23 14:47	04/03/23 15:52	5
Lead	55		0.28	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Magnesium	53000	B	28	14	mg/Kg	☆	03/30/23 14:47	04/03/23 15:52	5
Manganese	320		0.56	0.081	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Nickel	13		0.56	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Potassium	1200		28	9.9	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Silver	0.21	J	0.28	0.072	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Sodium	550		56	8.3	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Vanadium	10		0.28	0.066	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1
Zinc	41		1.1	0.49	mg/Kg	☆	03/30/23 14:47	03/31/23 22:46	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 11:50	1

Method: SW846 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		03/31/23 17:00	04/03/23 11:22	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.017	0.0092	mg/Kg	☆	03/29/23 15:40	03/30/23 07:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.9		0.2	0.2	SU			03/29/23 16:49	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15(0-5)-032323D

Lab Sample ID: 500-231240-4

Date Collected: 03/23/23 21:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.029		0.015	0.0066	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Carbon disulfide	<0.0038		0.0038	0.00079	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
1,1-Dichloroethene	<0.0015	*+	0.0015	0.00052	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00065	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Vinyl chloride	<0.0015		0.0015	0.00067	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☆	03/24/23 17:35	03/31/23 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	03/24/23 17:35	03/31/23 18:20	1
Dibromofluoromethane (Surr)	93		75 - 126	03/24/23 17:35	03/31/23 18:20	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/24/23 17:35	03/31/23 18:20	1
Toluene-d8 (Surr)	91		75 - 124	03/24/23 17:35	03/31/23 18:20	1

Method: SW846 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	☆	04/03/23 09:38	04/04/23 22:33	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☆	04/03/23 09:38	04/04/23 22:33	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☆	04/03/23 09:38	04/04/23 22:33	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☆	04/03/23 09:38	04/04/23 22:33	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☆	04/03/23 09:38	04/04/23 22:33	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15(0-5)-032323D

Lab Sample ID: 500-231240-4

Date Collected: 03/23/23 21:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.3

Method: SW846 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	0.084	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
2-Methylnaphthalene	<0.075		0.075	0.0068	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Benzo[a]anthracene	0.024	J	0.037	0.0050	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Benzo[a]pyrene	0.046	*3	0.037	0.0072	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Benzo[b]fluoranthene	0.062	*3	0.037	0.0080	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Benzo[g,h,i]perylene	0.018	J *3	0.037	0.012	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Benzo[k]fluoranthene	0.020	J *3	0.037	0.011	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Bis(2-chloroethyl)ether	<0.19	+	0.19	0.056	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Carbazole	<0.19		0.19	0.093	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Chrysene	0.036	J	0.037	0.010	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Dibenz(a,h)anthracene	0.0086	J *3	0.037	0.0072	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Fluoranthene	0.034	J	0.037	0.0069	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	✳	04/03/23 09:38	04/04/23 22:33	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15(0-5)-032323D

Lab Sample ID: 500-231240-4

Date Collected: 03/23/23 21:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.3

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.021	J *3	0.037	0.0096	mg/Kg	☼	04/03/23 09:38	04/04/23 22:33	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/03/23 09:38	04/04/23 22:33	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	04/03/23 09:38	04/04/23 22:33	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	04/03/23 09:38	04/04/23 22:33	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	04/03/23 09:38	04/04/23 22:33	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	04/03/23 09:38	04/04/23 22:33	1
Pentachlorophenol	<0.75		0.75	0.59	mg/Kg	☼	04/03/23 09:38	04/04/23 22:33	1
Phenanthrene	0.017	J	0.037	0.0052	mg/Kg	☼	04/03/23 09:38	04/04/23 22:33	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	04/03/23 09:38	04/04/23 22:33	1
Pyrene	0.034	J	0.037	0.0074	mg/Kg	☼	04/03/23 09:38	04/04/23 22:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol (Surr)</i>	80		31 - 143				04/03/23 09:38	04/04/23 22:33	1
<i>2-Fluorobiphenyl (Surr)</i>	94		43 - 145				04/03/23 09:38	04/04/23 22:33	1
<i>2-Fluorophenol (Surr)</i>	118		31 - 166				04/03/23 09:38	04/04/23 22:33	1
<i>Nitrobenzene-d5 (Surr)</i>	78		37 - 147				04/03/23 09:38	04/04/23 22:33	1
<i>Phenol-d5 (Surr)</i>	97		30 - 153				04/03/23 09:38	04/04/23 22:33	1
<i>Terphenyl-d14 (Surr)</i>	116		42 - 157				04/03/23 09:38	04/04/23 22:33	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 19:34	1
Barium	0.25	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 19:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 19:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 19:34	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:34	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:34	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:34	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 19:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 19:34	1
Manganese	1.6		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:34	1
Nickel	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:34	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 19:34	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:34	1
Zinc	<0.50		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 19:34	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.021	J	0.050	0.010	mg/L		03/31/23 18:30	04/04/23 14:35	1
Barium	0.20	J	0.50	0.050	mg/L		03/31/23 18:30	04/04/23 14:35	1
Beryllium	0.0044		0.0040	0.0040	mg/L		03/31/23 18:30	04/04/23 14:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/04/23 14:35	1
Chromium	0.072		0.025	0.010	mg/L		03/31/23 18:30	04/04/23 14:35	1
Cobalt	0.018	J	0.025	0.010	mg/L		03/31/23 18:30	04/04/23 14:35	1
Copper	0.048		0.025	0.010	mg/L		03/31/23 18:30	04/04/23 14:35	1
Iron	67		0.40	0.20	mg/L		03/31/23 18:30	04/04/23 14:35	1
Lead	0.081		0.0075	0.0075	mg/L		03/31/23 18:30	04/04/23 14:35	1
Manganese	0.41		0.025	0.010	mg/L		03/31/23 18:30	04/04/23 14:35	1
Nickel	0.054		0.025	0.010	mg/L		03/31/23 18:30	04/04/23 14:35	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/04/23 14:35	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15(0-5)-032323D

Lab Sample ID: 500-231240-4

Date Collected: 03/23/23 21:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/04/23 14:35	1
Zinc	0.16	J	0.50	0.020	mg/L		03/31/23 18:30	04/04/23 14:35	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3600		11	4.6	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Antimony	0.25	J	1.1	0.22	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Arsenic	4.1		0.57	0.19	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Barium	27		2.8	0.32	mg/Kg	☆	03/30/23 14:47	04/03/23 15:55	5
Beryllium	0.45		0.23	0.053	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Cadmium	<0.11		0.11	0.020	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Calcium	100000		57	9.6	mg/Kg	☆	03/30/23 14:47	04/03/23 15:55	5
Chromium	6.4		0.57	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Cobalt	5.3		0.28	0.074	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Copper	8.2	B	0.57	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Iron	11000		57	30	mg/Kg	☆	03/30/23 14:47	04/03/23 15:55	5
Lead	23		0.28	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Magnesium	60000	B	28	14	mg/Kg	☆	03/30/23 14:47	04/03/23 15:55	5
Manganese	320		0.57	0.082	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Nickel	11		0.57	0.17	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Potassium	1100		28	10	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Selenium	<0.57		0.57	0.33	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Silver	0.19	J	0.28	0.073	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Sodium	480		57	8.4	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Thallium	<0.57		0.57	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Vanadium	9.1		0.28	0.067	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1
Zinc	26		1.1	0.50	mg/Kg	☆	03/30/23 14:47	03/31/23 22:49	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 11:52	1

Method: SW846 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		03/31/23 17:00	04/03/23 11:24	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.017	0.0091	mg/Kg	☆	03/29/23 15:40	03/30/23 07:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.8		0.2	0.2	SU			03/29/23 16:52	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15(5-10)-032323

Lab Sample ID: 500-231240-5

Date Collected: 03/23/23 21:45

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 86.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.075		0.016	0.0069	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
1,1-Dichloroethane	<0.0016		0.0016	0.00055	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
1,1-Dichloroethene	<0.0016	*+	0.0016	0.00055	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Methyl Ethyl Ketone	0.011		0.0040	0.0018	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00071	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Vinyl chloride	<0.0016		0.0016	0.00071	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	✳	03/24/23 17:35	03/31/23 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		75 - 131	03/24/23 17:35	03/31/23 18:45	1
Dibromofluoromethane (Surr)	91		75 - 126	03/24/23 17:35	03/31/23 18:45	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	03/24/23 17:35	03/31/23 18:45	1
Toluene-d8 (Surr)	89		75 - 124	03/24/23 17:35	03/31/23 18:45	1

Method: SW846 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	✳	04/03/23 09:38	04/04/23 17:53	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15(5-10)-032323

Lab Sample ID: 500-231240-5

Date Collected: 03/23/23 21:45

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 86.4

Method: SW846 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	✳	04/03/23 09:38	04/04/23 17:53	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Benzo[b]fluoranthene	<0.036		0.036	0.0079	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Bis(2-chloroethyl)ether	<0.18	+	0.18	0.055	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Carbazole	<0.18		0.18	0.091	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Fluoranthene	<0.036		0.036	0.0068	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	✳	04/03/23 09:38	04/04/23 17:53	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15(5-10)-032323

Lab Sample ID: 500-231240-5

Date Collected: 03/23/23 21:45

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 86.4

Method: SW846 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	☼	04/03/23 09:38	04/04/23 17:53	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	04/03/23 09:38	04/04/23 17:53	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	04/03/23 09:38	04/04/23 17:53	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	04/03/23 09:38	04/04/23 17:53	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.045	mg/Kg	☼	04/03/23 09:38	04/04/23 17:53	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	04/03/23 09:38	04/04/23 17:53	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	04/03/23 09:38	04/04/23 17:53	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	04/03/23 09:38	04/04/23 17:53	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	04/03/23 09:38	04/04/23 17:53	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	04/03/23 09:38	04/04/23 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	63		31 - 143	04/03/23 09:38	04/04/23 17:53	1
2-Fluorobiphenyl (Surr)	78		43 - 145	04/03/23 09:38	04/04/23 17:53	1
2-Fluorophenol (Surr)	95		31 - 166	04/03/23 09:38	04/04/23 17:53	1
Nitrobenzene-d5 (Surr)	68		37 - 147	04/03/23 09:38	04/04/23 17:53	1
Phenol-d5 (Surr)	62		30 - 153	04/03/23 09:38	04/04/23 17:53	1
Terphenyl-d14 (Surr)	94		42 - 157	04/03/23 09:38	04/04/23 17:53	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 19:37	1
Barium	0.37	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 19:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 19:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 19:37	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:37	1
Cobalt	0.024	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:37	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:37	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 19:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 19:37	1
Manganese	4.2		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:37	1
Nickel	0.034		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:37	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 19:37	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:37	1
Zinc	<0.50		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 19:37	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 16:09	1
Barium	0.067	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 16:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 16:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 16:09	1
Chromium	0.019	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:09	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:09	1
Copper	0.014	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:09	1
Iron	13		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 16:09	1
Lead	0.012		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 16:09	1
Manganese	0.12		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:09	1
Nickel	0.013	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:09	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 16:09	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15(5-10)-032323

Lab Sample ID: 500-231240-5

Date Collected: 03/23/23 21:45

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 86.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:09	1
Zinc	0.031	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 16:09	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4000		11	4.5	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Antimony	0.31	J	1.1	0.22	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Arsenic	6.6		0.56	0.19	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Barium	24		2.8	0.32	mg/Kg	☆	03/30/23 14:47	04/03/23 15:58	5
Beryllium	0.47		0.22	0.052	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Cadmium	<0.11		0.11	0.020	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Calcium	85000		56	9.4	mg/Kg	☆	03/30/23 14:47	04/03/23 15:58	5
Chromium	7.0		0.56	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Cobalt	7.1		0.28	0.073	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Copper	9.9	B	0.56	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Iron	13000		56	29	mg/Kg	☆	03/30/23 14:47	04/03/23 15:58	5
Lead	14		0.28	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Magnesium	50000	B	28	14	mg/Kg	☆	03/30/23 14:47	04/03/23 15:58	5
Manganese	280		0.56	0.081	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Nickel	13		0.56	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Potassium	1100		28	9.9	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Silver	0.20	J	0.28	0.072	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Sodium	290		56	8.2	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Vanadium	9.6		0.28	0.066	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1
Zinc	17		1.1	0.49	mg/Kg	☆	03/30/23 14:47	03/31/23 22:52	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 11:55	1

Method: SW846 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		03/31/23 17:00	04/03/23 09:59	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.018	0.0096	mg/Kg	☆	03/29/23 15:40	03/30/23 07:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			03/29/23 16:54	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15(10-15)-032323

Lab Sample ID: 500-231240-6

Date Collected: 03/23/23 21:50

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.095		0.017	0.0072	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Bromoform	<0.0017		0.0017	0.00048	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Bromomethane	<0.0041		0.0041	0.0016	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Carbon disulfide	<0.0041		0.0041	0.00086	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Chloroform	<0.0017		0.0017	0.00057	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Chloromethane	<0.0041		0.0041	0.0017	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00046	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
1,1-Dichloroethene	<0.0017	*+	0.0017	0.00057	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Ethylbenzene	<0.0017		0.0017	0.00079	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Methyl Ethyl Ketone	0.018		0.0041	0.0018	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Tetrachloroethene	<0.0017		0.0017	0.00056	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00073	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Vinyl chloride	<0.0017		0.0017	0.00073	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	✳	03/24/23 17:35	03/31/23 19:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	03/24/23 17:35	03/31/23 19:11	1
Dibromofluoromethane (Surr)	92		75 - 126	03/24/23 17:35	03/31/23 19:11	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	03/24/23 17:35	03/31/23 19:11	1
Toluene-d8 (Surr)	92		75 - 124	03/24/23 17:35	03/31/23 19:11	1

Method: SW846 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	✳	04/03/23 09:38	04/04/23 18:58	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15(10-15)-032323

Lab Sample ID: 500-231240-6

Date Collected: 03/23/23 21:50

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.6

Method: SW846 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	✳	04/03/23 09:38	04/04/23 18:58	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
2-Methylnaphthalene	<0.076		0.076	0.0070	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Bis(2-chloroethyl)ether	<0.19	+	0.19	0.057	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	04/03/23 09:38	04/04/23 18:58	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15(10-15)-032323

Lab Sample ID: 500-231240-6

Date Collected: 03/23/23 21:50

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.6

Method: SW846 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	☼	04/03/23 09:38	04/04/23 18:58	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/03/23 09:38	04/04/23 18:58	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/03/23 09:38	04/04/23 18:58	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	04/03/23 09:38	04/04/23 18:58	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/03/23 09:38	04/04/23 18:58	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/03/23 09:38	04/04/23 18:58	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/03/23 09:38	04/04/23 18:58	1
Phenanthrene	0.018	J	0.038	0.0053	mg/Kg	☼	04/03/23 09:38	04/04/23 18:58	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/03/23 09:38	04/04/23 18:58	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	04/03/23 09:38	04/04/23 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		31 - 143	04/03/23 09:38	04/04/23 18:58	1
2-Fluorobiphenyl (Surr)	85		43 - 145	04/03/23 09:38	04/04/23 18:58	1
2-Fluorophenol (Surr)	110		31 - 166	04/03/23 09:38	04/04/23 18:58	1
Nitrobenzene-d5 (Surr)	73		37 - 147	04/03/23 09:38	04/04/23 18:58	1
Phenol-d5 (Surr)	84		30 - 153	04/03/23 09:38	04/04/23 18:58	1
Terphenyl-d14 (Surr)	100		42 - 157	04/03/23 09:38	04/04/23 18:58	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 19:40	1
Barium	0.32	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 19:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 19:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 19:40	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:40	1
Cobalt	0.030		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:40	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:40	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 19:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 19:40	1
Manganese	6.7		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:40	1
Nickel	0.034		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:40	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 19:40	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:40	1
Zinc	0.021	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 19:40	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		03/30/23 17:01	04/03/23 16:12	1
Barium	0.088	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 16:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 16:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 16:12	1
Chromium	0.035		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:12	1
Cobalt	0.013	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:12	1
Copper	0.022	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:12	1
Iron	31		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 16:12	1
Lead	0.041		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 16:12	1
Manganese	0.25		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:12	1
Nickel	0.034		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:12	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 16:12	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15(10-15)-032323

Lab Sample ID: 500-231240-6

Date Collected: 03/23/23 21:50

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:12	1
Zinc	0.039	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 16:12	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4100		11	4.5	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Antimony	0.26	J	1.1	0.22	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Arsenic	4.9		0.55	0.19	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Barium	28		2.8	0.32	mg/Kg	☆	03/30/23 14:47	04/03/23 16:01	5
Beryllium	0.45		0.22	0.052	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Cadmium	<0.11		0.11	0.020	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Calcium	84000		55	9.4	mg/Kg	☆	03/30/23 14:47	04/03/23 16:01	5
Chromium	6.0		0.55	0.27	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Cobalt	5.7		0.28	0.073	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Copper	6.3	B	0.55	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Iron	11000		55	29	mg/Kg	☆	03/30/23 14:47	04/03/23 16:01	5
Lead	14		0.28	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Magnesium	51000	B	28	14	mg/Kg	☆	03/30/23 14:47	04/03/23 16:01	5
Manganese	300		0.55	0.080	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Nickel	13		0.55	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Potassium	1100		28	9.8	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Selenium	<0.55		0.55	0.33	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Silver	0.17	J	0.28	0.071	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Sodium	420		55	8.2	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Thallium	<0.55		0.55	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Vanadium	9.1		0.28	0.065	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1
Zinc	15		1.1	0.49	mg/Kg	☆	03/30/23 14:47	03/31/23 22:55	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 11:57	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:01	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.018	0.0095	mg/Kg	☆	03/29/23 15:40	03/30/23 07:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.2	0.2	SU			03/29/23 16:56	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15-032323

Lab Sample ID: 500-231240-7

Date Collected: 03/23/23 22:25

Matrix: Water

Date Received: 03/24/23 14:25

Method: SW846 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0069	J B	0.010	0.0017	mg/L			04/05/23 05:30	1
Benzene	<0.00050		0.00050	0.00015	mg/L			04/05/23 05:30	1
Bromodichloromethane	<0.0010		0.0010	0.00037	mg/L			04/05/23 05:30	1
Bromoform	<0.0010		0.0010	0.00048	mg/L			04/05/23 05:30	1
Bromomethane	<0.0030		0.0030	0.00080	mg/L			04/05/23 05:30	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0021	mg/L			04/05/23 05:30	1
Carbon disulfide	<0.0020		0.0020	0.00045	mg/L			04/05/23 05:30	1
Carbon tetrachloride	<0.0010		0.0010	0.00038	mg/L			04/05/23 05:30	1
Chlorobenzene	<0.0010		0.0010	0.00039	mg/L			04/05/23 05:30	1
Chloroethane	<0.0010		0.0010	0.00051	mg/L			04/05/23 05:30	1
Chloroform	<0.0020		0.0020	0.00037	mg/L			04/05/23 05:30	1
Chloromethane	<0.0010		0.0010	0.00032	mg/L			04/05/23 05:30	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00041	mg/L			04/05/23 05:30	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00042	mg/L			04/05/23 05:30	1
Dibromochloromethane	<0.0010		0.0010	0.00049	mg/L			04/05/23 05:30	1
1,1-Dichloroethane	<0.0010		0.0010	0.00041	mg/L			04/05/23 05:30	1
1,2-Dichloroethane	<0.0010		0.0010	0.00039	mg/L			04/05/23 05:30	1
1,1-Dichloroethene	<0.0010		0.0010	0.00039	mg/L			04/05/23 05:30	1
1,2-Dichloropropane	<0.0010		0.0010	0.00043	mg/L			04/05/23 05:30	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00042	mg/L			04/05/23 05:30	1
Ethylbenzene	<0.00050		0.00050	0.00018	mg/L			04/05/23 05:30	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/L			04/05/23 05:30	1
Methylene Chloride	<0.0050		0.0050	0.0016	mg/L			04/05/23 05:30	1
methyl isobutyl ketone	<0.0050		0.0050	0.0022	mg/L			04/05/23 05:30	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00039	mg/L			04/05/23 05:30	1
Styrene	<0.0010		0.0010	0.00039	mg/L			04/05/23 05:30	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00040	mg/L			04/05/23 05:30	1
Tetrachloroethene	<0.0010		0.0010	0.00037	mg/L			04/05/23 05:30	1
Toluene	<0.00050		0.00050	0.00015	mg/L			04/05/23 05:30	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00035	mg/L			04/05/23 05:30	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00036	mg/L			04/05/23 05:30	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00038	mg/L			04/05/23 05:30	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00035	mg/L			04/05/23 05:30	1
Trichloroethene	<0.00050		0.00050	0.00016	mg/L			04/05/23 05:30	1
Vinyl chloride	<0.0010		0.0010	0.00020	mg/L			04/05/23 05:30	1
Xylenes, Total	<0.0010		0.0010	0.00022	mg/L			04/05/23 05:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		72 - 124		04/05/23 05:30	1
Dibromofluoromethane (Surr)	90		75 - 120		04/05/23 05:30	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		04/05/23 05:30	1
Toluene-d8 (Surr)	95		75 - 120		04/05/23 05:30	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.0014		0.0014	0.00017	mg/L		03/26/23 10:45	04/05/23 13:16	1
1,2-Dichlorobenzene	<0.0014		0.0014	0.00017	mg/L		03/26/23 10:45	04/05/23 13:16	1
1,3-Dichlorobenzene	<0.0014		0.0014	0.00015	mg/L		03/26/23 10:45	04/05/23 13:16	1
1,4-Dichlorobenzene	<0.0014		0.0014	0.00015	mg/L		03/26/23 10:45	04/05/23 13:16	1
2,2'-oxybis[1-chloropropane]	<0.0014		0.0014	0.00027	mg/L		03/26/23 10:45	04/05/23 13:16	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15-032323

Lab Sample ID: 500-231240-7

Date Collected: 03/23/23 22:25

Matrix: Water

Date Received: 03/24/23 14:25

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.0070		0.0070	0.0018	mg/L		03/26/23 10:45	04/05/23 13:16	1
2,4,6-Trichlorophenol	<0.0035		0.0035	0.00050	mg/L		03/26/23 10:45	04/05/23 13:16	1
2,4-Dichlorophenol	<0.0070		0.0070	0.0018	mg/L		03/26/23 10:45	04/05/23 13:16	1
2,4-Dimethylphenol	<0.0070		0.0070	0.0013	mg/L		03/26/23 10:45	04/05/23 13:16	1
2,4-Dinitrophenol	<0.014		0.014	0.0060	mg/L		03/26/23 10:45	04/05/23 13:16	1
2,4-Dinitrotoluene	<0.00070		0.00070	0.00017	mg/L		03/26/23 10:45	04/05/23 13:16	1
2,6-Dinitrotoluene	<0.00070		0.00070	0.000052	mg/L		03/26/23 10:45	04/05/23 13:16	1
2-Chloronaphthalene	<0.0014		0.0014	0.00016	mg/L		03/26/23 10:45	04/05/23 13:16	1
2-Chlorophenol	<0.0035		0.0035	0.00039	mg/L		03/26/23 10:45	04/05/23 13:16	1
2-Methylnaphthalene	<0.0014		0.0014	0.000046	mg/L		03/26/23 10:45	04/05/23 13:16	1
2-Methylphenol	<0.0014		0.0014	0.00021	mg/L		03/26/23 10:45	04/05/23 13:16	1
2-Nitroaniline	<0.0035		0.0035	0.00090	mg/L		03/26/23 10:45	04/05/23 13:16	1
2-Nitrophenol	<0.0070		0.0070	0.0017	mg/L		03/26/23 10:45	04/05/23 13:16	1
3 & 4 Methylphenol	<0.0014		0.0014	0.00031	mg/L		03/26/23 10:45	04/05/23 13:16	1
3,3'-Dichlorobenzidine	<0.0035		0.0035	0.0012	mg/L		03/26/23 10:45	04/05/23 13:16	1
3-Nitroaniline	<0.0070		0.0070	0.0013	mg/L		03/26/23 10:45	04/05/23 13:16	1
4,6-Dinitro-2-methylphenol	<0.014		0.014	0.0041	mg/L		03/26/23 10:45	04/05/23 13:16	1
4-Bromophenyl phenyl ether	<0.0035		0.0035	0.00038	mg/L		03/26/23 10:45	04/05/23 13:16	1
4-Chloro-3-methylphenol	<0.0070		0.0070	0.0016	mg/L		03/26/23 10:45	04/05/23 13:16	1
4-Chloroaniline	<0.0070		0.0070	0.0014	mg/L		03/26/23 10:45	04/05/23 13:16	1
4-Chlorophenyl phenyl ether	<0.0035		0.0035	0.00044	mg/L		03/26/23 10:45	04/05/23 13:16	1
4-Nitroaniline	<0.0070		0.0070	0.0012	mg/L		03/26/23 10:45	04/05/23 13:16	1
4-Nitrophenol	<0.014		0.014	0.0052	mg/L		03/26/23 10:45	04/05/23 13:16	1
Acenaphthene	<0.00070		0.00070	0.00022	mg/L		03/26/23 10:45	04/05/23 13:16	1
Acenaphthylene	<0.00070		0.00070	0.00019	mg/L		03/26/23 10:45	04/05/23 13:16	1
Anthracene	<0.00070		0.00070	0.00023	mg/L		03/26/23 10:45	04/05/23 13:16	1
Benzo[a]anthracene	<0.00011		0.00011	0.000040	mg/L		03/26/23 10:45	04/05/23 13:16	1
Benzo[a]pyrene	<0.00014		0.00014	0.000069	mg/L		03/26/23 10:45	04/05/23 13:16	1
Benzo[b]fluoranthene	<0.00014		0.00014	0.000056	mg/L		03/26/23 10:45	04/05/23 13:16	1
Benzo[g,h,i]perylene	<0.00070		0.00070	0.00026	mg/L		03/26/23 10:45	04/05/23 13:16	1
Benzo[k]fluoranthene	<0.00014		0.00014	0.000045	mg/L		03/26/23 10:45	04/05/23 13:16	1
Bis(2-chloroethoxy)methane	<0.0014		0.0014	0.00020	mg/L		03/26/23 10:45	04/05/23 13:16	1
Bis(2-chloroethyl)ether	<0.0014		0.0014	0.00020	mg/L		03/26/23 10:45	04/05/23 13:16	1
Bis(2-ethylhexyl) phthalate	<0.0070		0.0070	0.0012	mg/L		03/26/23 10:45	04/05/23 13:16	1
Butyl benzyl phthalate	<0.0014		0.0014	0.00034	mg/L		03/26/23 10:45	04/05/23 13:16	1
Carbazole	<0.0035		0.0035	0.00025	mg/L		03/26/23 10:45	04/05/23 13:16	1
Chrysene	<0.00014		0.00014	0.000048	mg/L		03/26/23 10:45	04/05/23 13:16	1
Dibenz(a,h)anthracene	<0.00021		0.00021	0.000035	mg/L		03/26/23 10:45	04/05/23 13:16	1
Dibenzofuran	<0.0014		0.0014	0.00018	mg/L		03/26/23 10:45	04/05/23 13:16	1
Diethyl phthalate	<0.0035		0.0035	0.00025	mg/L		03/26/23 10:45	04/05/23 13:16	1
Dimethyl phthalate	<0.0035		0.0035	0.00022	mg/L		03/26/23 10:45	04/05/23 13:16	1
Di-n-butyl phthalate	<0.0035		0.0035	0.00051	mg/L		03/26/23 10:45	04/05/23 13:16	1
Di-n-octyl phthalate	<0.0070		0.0070	0.00073	mg/L		03/26/23 10:45	04/05/23 13:16	1
Fluoranthene	<0.00070		0.00070	0.00032	mg/L		03/26/23 10:45	04/05/23 13:16	1
Fluorene	<0.00070		0.00070	0.00017	mg/L		03/26/23 10:45	04/05/23 13:16	1
Hexachlorobenzene	<0.00035		0.00035	0.000056	mg/L		03/26/23 10:45	04/05/23 13:16	1
Hexachlorobutadiene	<0.0035		0.0035	0.00036	mg/L		03/26/23 10:45	04/05/23 13:16	1
Hexachlorocyclopentadiene	<0.014		0.014	0.0045	mg/L		03/26/23 10:45	04/05/23 13:16	1
Hexachloroethane	<0.0035		0.0035	0.00042	mg/L		03/26/23 10:45	04/05/23 13:16	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15-032323

Lab Sample ID: 500-231240-7

Date Collected: 03/23/23 22:25

Matrix: Water

Date Received: 03/24/23 14:25

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.00014		0.00014	0.000052	mg/L		03/26/23 10:45	04/05/23 13:16	1
Isophorone	<0.0014		0.0014	0.00026	mg/L		03/26/23 10:45	04/05/23 13:16	1
Naphthalene	<0.00070		0.00070	0.00022	mg/L		03/26/23 10:45	04/05/23 13:16	1
Nitrobenzene	<0.00070		0.00070	0.00031	mg/L		03/26/23 10:45	04/05/23 13:16	1
N-Nitrosodi-n-propylamine	<0.00035		0.00035	0.00011	mg/L		03/26/23 10:45	04/05/23 13:16	1
N-Nitrosodiphenylamine	<0.0014		0.0014	0.00026	mg/L		03/26/23 10:45	04/05/23 13:16	1
Pentachlorophenol	<0.014		0.014	0.0028	mg/L		03/26/23 10:45	04/05/23 13:16	1
Phenanthrene	<0.00070		0.00070	0.00021	mg/L		03/26/23 10:45	04/05/23 13:16	1
Phenol	<0.0035		0.0035	0.00047	mg/L		03/26/23 10:45	04/05/23 13:16	1
Pyrene	<0.00070		0.00070	0.00030	mg/L		03/26/23 10:45	04/05/23 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	34		27 - 110	03/26/23 10:45	04/05/23 13:16	1
Phenol-d5 (Surr)	32		20 - 110	03/26/23 10:45	04/05/23 13:16	1
Nitrobenzene-d5 (Surr)	73		36 - 120	03/26/23 10:45	04/05/23 13:16	1
2-Fluorobiphenyl (Surr)	73		34 - 110	03/26/23 10:45	04/05/23 13:16	1
2,4,6-Tribromophenol (Surr)	109		40 - 145	03/26/23 10:45	04/05/23 13:16	1
Terphenyl-d14 (Surr)	100		40 - 145	03/26/23 10:45	04/05/23 13:16	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7.0		0.10	0.025	mg/L		03/27/23 09:17	03/28/23 21:10	1
Antimony	<0.0030		0.0030	0.0013	mg/L		03/27/23 09:17	03/28/23 21:10	1
Arsenic	0.0037		0.0010	0.00023	mg/L		03/27/23 09:17	03/28/23 21:10	1
Barium	0.30		0.0025	0.00073	mg/L		03/27/23 09:17	03/28/23 21:10	1
Beryllium	<0.0010		0.0010	0.00053	mg/L		03/27/23 09:17	03/28/23 21:10	1
Cadmium	0.00017	J	0.00050	0.00017	mg/L		03/27/23 09:17	03/28/23 21:10	1
Calcium	180		0.20	0.044	mg/L		03/27/23 09:17	03/28/23 21:10	1
Chromium	0.0093		0.0050	0.0011	mg/L		03/27/23 09:17	03/28/23 21:10	1
Cobalt	0.0033		0.0010	0.00040	mg/L		03/27/23 09:17	03/28/23 21:10	1
Copper	0.0096		0.0020	0.00050	mg/L		03/27/23 09:17	03/28/23 21:10	1
Iron	12		0.10	0.047	mg/L		03/27/23 09:17	03/28/23 21:10	1
Lead	0.015		0.00050	0.00019	mg/L		03/27/23 09:17	03/28/23 21:10	1
Magnesium	90		0.20	0.049	mg/L		03/27/23 09:17	03/28/23 21:10	1
Manganese	0.19		0.0025	0.00079	mg/L		03/27/23 09:17	03/28/23 21:10	1
Nickel	0.0096		0.0020	0.00063	mg/L		03/27/23 09:17	03/28/23 21:10	1
Potassium	6.6		0.50	0.11	mg/L		03/27/23 09:17	03/28/23 21:10	1
Selenium	<0.0025		0.0025	0.00098	mg/L		03/27/23 09:17	03/29/23 18:17	1
Silver	<0.00050		0.00050	0.00012	mg/L		03/27/23 09:17	03/28/23 21:10	1
Sodium	1500		10	3.9	mg/L		03/27/23 09:17	03/29/23 16:00	50
Thallium	<0.0020		0.0020	0.00057	mg/L		03/27/23 09:17	03/28/23 21:10	1
Vanadium	0.012		0.0050	0.0022	mg/L		03/27/23 09:17	03/28/23 21:10	1
Zinc	0.021		0.020	0.0069	mg/L		03/27/23 09:17	03/28/23 21:10	1

Method: SW846 7470A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000079	mg/L		03/29/23 12:05	03/30/23 08:29	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-15-032323

Lab Sample ID: 500-231240-7

Date Collected: 03/23/23 22:25

Matrix: Water

Date Received: 03/24/23 14:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	7.5	HF	0.2	0.2	SU			03/27/23 10:24	1

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

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-16(0-5)-032323

Lab Sample ID: 500-231240-8

Date Collected: 03/23/23 22:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 85.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.035		0.024	0.011	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Benzene	<0.0024		0.0024	0.00062	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Bromodichloromethane	<0.0024		0.0024	0.00049	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Bromoform	<0.0024		0.0024	0.00070	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Bromomethane	<0.0060		0.0060	0.0023	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Carbon disulfide	<0.0060		0.0060	0.0013	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Carbon tetrachloride	<0.0024		0.0024	0.00070	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Chlorobenzene	<0.0024		0.0024	0.00089	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Chloroethane	<0.0060		0.0060	0.0018	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Chloroform	<0.0024		0.0024	0.00084	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Chloromethane	<0.0060		0.0060	0.0024	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
cis-1,2-Dichloroethene	<0.0024		0.0024	0.00067	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
cis-1,3-Dichloropropene	<0.0024		0.0024	0.00073	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Dibromochloromethane	<0.0024		0.0024	0.00079	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
1,1-Dichloroethane	<0.0024		0.0024	0.00083	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
1,2-Dichloroethane	<0.0060		0.0060	0.0019	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
1,1-Dichloroethene	<0.0024	*+	0.0024	0.00083	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
1,2-Dichloropropane	<0.0024		0.0024	0.00062	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
1,3-Dichloropropene, Total	<0.0024		0.0024	0.00085	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Ethylbenzene	<0.0024		0.0024	0.0012	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
2-Hexanone	<0.0060		0.0060	0.0019	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Methylene Chloride	<0.0060		0.0060	0.0024	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Methyl Ethyl Ketone	<0.0060		0.0060	0.0027	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
methyl isobutyl ketone	<0.0060		0.0060	0.0018	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Methyl tert-butyl ether	<0.0024		0.0024	0.00071	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Styrene	<0.0024		0.0024	0.00073	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
1,1,2,2-Tetrachloroethane	<0.0024		0.0024	0.00077	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Tetrachloroethene	<0.0024		0.0024	0.00082	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Toluene	<0.0024		0.0024	0.00061	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
trans-1,2-Dichloroethene	<0.0024		0.0024	0.0011	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
trans-1,3-Dichloropropene	<0.0024		0.0024	0.00085	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
1,1,1-Trichloroethane	<0.0024		0.0024	0.00081	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
1,1,2-Trichloroethane	<0.0024		0.0024	0.0010	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Trichloroethene	<0.0024		0.0024	0.00082	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Vinyl chloride	<0.0024		0.0024	0.0011	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1
Xylenes, Total	<0.0048		0.0048	0.00077	mg/Kg	☆	03/24/23 17:35	03/31/23 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	03/24/23 17:35	03/31/23 19:36	1
Dibromofluoromethane (Surr)	92		75 - 126	03/24/23 17:35	03/31/23 19:36	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	03/24/23 17:35	03/31/23 19:36	1
Toluene-d8 (Surr)	89		75 - 124	03/24/23 17:35	03/31/23 19:36	1

Method: SW846 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	☆	04/03/23 09:38	04/04/23 18:15	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	04/03/23 09:38	04/04/23 18:15	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☆	04/03/23 09:38	04/04/23 18:15	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☆	04/03/23 09:38	04/04/23 18:15	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	04/03/23 09:38	04/04/23 18:15	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-16(0-5)-032323

Lab Sample ID: 500-231240-8

Date Collected: 03/23/23 22:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 85.0

Method: SW846 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	✳	04/03/23 09:38	04/04/23 18:15	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Benzo[a]pyrene	0.0083	J	0.037	0.0073	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Benzo[b]fluoranthene	0.0089	J	0.037	0.0081	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Bis(2-chloroethyl)ether	<0.19	+	0.19	0.056	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Chrysene	<0.037		0.037	0.010	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	04/03/23 09:38	04/04/23 18:15	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-16(0-5)-032323

Lab Sample ID: 500-231240-8

Date Collected: 03/23/23 22:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 85.0

Method: SW846 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	☼	04/03/23 09:38	04/04/23 18:15	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/03/23 09:38	04/04/23 18:15	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	04/03/23 09:38	04/04/23 18:15	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	04/03/23 09:38	04/04/23 18:15	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/03/23 09:38	04/04/23 18:15	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	04/03/23 09:38	04/04/23 18:15	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	04/03/23 09:38	04/04/23 18:15	1
Phenanthrene	<0.037		0.037	0.0053	mg/Kg	☼	04/03/23 09:38	04/04/23 18:15	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/03/23 09:38	04/04/23 18:15	1
Pyrene	<0.037		0.037	0.0075	mg/Kg	☼	04/03/23 09:38	04/04/23 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	80		31 - 143	04/03/23 09:38	04/04/23 18:15	1
2-Fluorobiphenyl (Surr)	93		43 - 145	04/03/23 09:38	04/04/23 18:15	1
2-Fluorophenol (Surr)	120		31 - 166	04/03/23 09:38	04/04/23 18:15	1
Nitrobenzene-d5 (Surr)	78		37 - 147	04/03/23 09:38	04/04/23 18:15	1
Phenol-d5 (Surr)	98		30 - 153	04/03/23 09:38	04/04/23 18:15	1
Terphenyl-d14 (Surr)	108		42 - 157	04/03/23 09:38	04/04/23 18:15	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 19:44	1
Barium	0.35	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 19:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 19:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 19:44	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:44	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:44	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:44	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 19:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 19:44	1
Manganese	3.4		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:44	1
Nickel	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:44	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 19:44	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:44	1
Zinc	<0.50		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 19:44	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.038	J	0.050	0.010	mg/L		03/30/23 17:01	04/03/23 16:16	1
Barium	0.43	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 16:16	1
Beryllium	0.0054		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 16:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 16:16	1
Chromium	0.11		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:16	1
Cobalt	0.034		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:16	1
Copper	0.10		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:16	1
Iron	120		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 16:16	1
Lead	0.064		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 16:16	1
Manganese	0.78		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:16	1
Nickel	0.089		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:16	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 16:16	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-16(0-5)-032323

Lab Sample ID: 500-231240-8

Date Collected: 03/23/23 22:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 85.0

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:16	1
Zinc	0.33	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 16:16	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6200		11	4.7	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Antimony	0.32	J	1.1	0.22	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Arsenic	5.7		0.57	0.20	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Barium	69		2.9	0.33	mg/Kg	☆	03/30/23 14:47	04/03/23 16:04	5
Beryllium	0.53		0.23	0.054	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Cadmium	<0.11		0.11	0.021	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Calcium	100000		57	9.7	mg/Kg	☆	03/30/23 14:47	04/03/23 16:04	5
Chromium	8.3		0.57	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Cobalt	8.3		0.29	0.075	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Copper	12	B	0.57	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Iron	15000		57	30	mg/Kg	☆	03/30/23 14:47	04/03/23 16:04	5
Lead	11		0.29	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Magnesium	59000	B	29	14	mg/Kg	☆	03/30/23 14:47	04/03/23 16:04	5
Manganese	430		0.57	0.083	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Nickel	14		0.57	0.17	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Potassium	760		29	10	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Silver	0.19	J	0.29	0.074	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Sodium	790		57	8.5	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Thallium	<0.57		0.57	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Vanadium	14		0.29	0.068	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1
Zinc	33		1.1	0.50	mg/Kg	☆	03/30/23 14:47	03/31/23 22:59	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 11:59	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:03	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.019	0.0098	mg/Kg	☆	03/29/23 15:40	03/30/23 07:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.6		0.2	0.2	SU			03/29/23 16:59	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-16(5-10)-032323

Lab Sample ID: 500-231240-9

Date Collected: 03/23/23 22:45

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 82.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.023		0.017	0.0072	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Bromoform	<0.0017		0.0017	0.00048	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Bromomethane	<0.0041		0.0041	0.0016	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Carbon disulfide	<0.0041		0.0041	0.00086	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Chloroform	<0.0017		0.0017	0.00057	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Chloromethane	<0.0041		0.0041	0.0017	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00046	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
1,1-Dichloroethene	<0.0017	*+	0.0017	0.00057	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Ethylbenzene	<0.0017		0.0017	0.00079	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00048	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Tetrachloroethene	<0.0017		0.0017	0.00056	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00073	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00055	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Vinyl chloride	<0.0017		0.0017	0.00073	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	✳	03/24/23 17:35	03/31/23 20:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	03/24/23 17:35	03/31/23 20:02	1
Dibromofluoromethane (Surr)	93		75 - 126	03/24/23 17:35	03/31/23 20:02	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	03/24/23 17:35	03/31/23 20:02	1
Toluene-d8 (Surr)	90		75 - 124	03/24/23 17:35	03/31/23 20:02	1

Method: SW846 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	✳	04/03/23 09:38	04/04/23 21:50	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-16(5-10)-032323

Lab Sample ID: 500-231240-9

Date Collected: 03/23/23 22:45

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 82.6

Method: SW846 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	✳	04/03/23 09:38	04/04/23 21:50	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
2,4-Dinitrophenol	<0.81		0.81	0.70	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Benzo[a]anthracene	0.022	J	0.040	0.0054	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Benzo[a]pyrene	0.035	J	0.040	0.0077	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Benzo[b]fluoranthene	0.065		0.040	0.0086	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Benzo[g,h,i]perylene	0.022	J	0.040	0.013	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Benzo[k]fluoranthene	0.018	J	0.040	0.012	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Bis(2-chloroethyl)ether	<0.20	+	0.20	0.060	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Carbazole	<0.20		0.20	0.10	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Chrysene	0.034	J	0.040	0.011	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Fluoranthene	0.047		0.040	0.0074	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	✳	04/03/23 09:38	04/04/23 21:50	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-16(5-10)-032323

Lab Sample ID: 500-231240-9

Date Collected: 03/23/23 22:45

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 82.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.027	J	0.040	0.010	mg/Kg	☼	04/03/23 09:38	04/04/23 21:50	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	04/03/23 09:38	04/04/23 21:50	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	04/03/23 09:38	04/04/23 21:50	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	04/03/23 09:38	04/04/23 21:50	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	04/03/23 09:38	04/04/23 21:50	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/03/23 09:38	04/04/23 21:50	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	04/03/23 09:38	04/04/23 21:50	1
Phenanthrene	0.023	J	0.040	0.0056	mg/Kg	☼	04/03/23 09:38	04/04/23 21:50	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	04/03/23 09:38	04/04/23 21:50	1
Pyrene	0.041		0.040	0.0080	mg/Kg	☼	04/03/23 09:38	04/04/23 21:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82		31 - 143				04/03/23 09:38	04/04/23 21:50	1
2-Fluorobiphenyl (Surr)	95		43 - 145				04/03/23 09:38	04/04/23 21:50	1
2-Fluorophenol (Surr)	129		31 - 166				04/03/23 09:38	04/04/23 21:50	1
Nitrobenzene-d5 (Surr)	77		37 - 147				04/03/23 09:38	04/04/23 21:50	1
Phenol-d5 (Surr)	112		30 - 153				04/03/23 09:38	04/04/23 21:50	1
Terphenyl-d14 (Surr)	111		42 - 157				04/03/23 09:38	04/04/23 21:50	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 19:47	1
Barium	0.49	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 19:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 19:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 19:47	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:47	1
Cobalt	0.022	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:47	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:47	1
Iron	0.45		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 19:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 19:47	1
Manganese	8.3		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:47	1
Nickel	0.039		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:47	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 19:47	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:47	1
Zinc	0.021	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 19:47	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 16:25	1
Barium	0.060	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 16:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 16:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 16:25	1
Chromium	0.017	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:25	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:25	1
Copper	0.016	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:25	1
Iron	15		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 16:25	1
Lead	0.0085		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 16:25	1
Manganese	0.11		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:25	1
Nickel	0.012	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:25	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 16:25	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-16(5-10)-032323

Lab Sample ID: 500-231240-9

Date Collected: 03/23/23 22:45

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 82.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:25	1
Zinc	0.035	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 16:25	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5400		12	4.8	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Antimony	0.39	J	1.2	0.23	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Arsenic	5.9		0.58	0.20	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Barium	48		2.9	0.33	mg/Kg	☆	03/30/23 14:47	04/03/23 16:07	5
Beryllium	0.49		0.23	0.054	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Calcium	100000		58	9.9	mg/Kg	☆	03/30/23 14:47	04/03/23 16:07	5
Chromium	19		0.58	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Cobalt	6.9		0.29	0.076	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Copper	14	B	0.58	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Iron	15000		58	30	mg/Kg	☆	03/30/23 14:47	04/03/23 16:07	5
Lead	14		0.29	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Magnesium	62000	B	29	14	mg/Kg	☆	03/30/23 14:47	04/03/23 16:07	5
Manganese	430		0.58	0.085	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Nickel	17		0.58	0.17	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Potassium	920		29	10	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Silver	0.13	J	0.29	0.075	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Sodium	410		58	8.6	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Vanadium	15		0.29	0.069	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1
Zinc	45		1.2	0.51	mg/Kg	☆	03/30/23 14:47	03/31/23 23:02	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 12:01	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:05	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.019	0.010	mg/Kg	☆	03/29/23 15:40	03/30/23 07:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	6.9		0.2	0.2	SU			03/29/23 17:04	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-17(0-5)-032323

Lab Sample ID: 500-231240-10

Date Collected: 03/23/23 23:10

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0074	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Bromomethane	<0.0042	*	0.0042	0.0016	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Chloroethane	<0.0042		0.0042	0.0013	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☆	03/24/23 17:35	04/03/23 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		75 - 131	03/24/23 17:35	04/03/23 11:57	1
Dibromofluoromethane (Surr)	98		75 - 126	03/24/23 17:35	04/03/23 11:57	1
1,2-Dichloroethane-d4 (Surr)	112		70 - 134	03/24/23 17:35	04/03/23 11:57	1
Toluene-d8 (Surr)	107		75 - 124	03/24/23 17:35	04/03/23 11:57	1

Method: SW846 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	☆	04/03/23 09:38	04/05/23 13:39	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	04/03/23 09:38	04/05/23 13:39	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	04/03/23 09:38	04/05/23 13:39	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☆	04/03/23 09:38	04/05/23 13:39	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	04/03/23 09:38	04/05/23 13:39	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-17(0-5)-032323

Lab Sample ID: 500-231240-10

Date Collected: 03/23/23 23:10

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.1

Method: SW846 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	✳	04/03/23 09:38	04/05/23 13:39	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Benzo[a]pyrene	0.012	J	0.038	0.0074	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Benzo[b]fluoranthene	0.0094	J	0.038	0.0082	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Bis(2-chloroethyl)ether	<0.19	+	0.19	0.057	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Chrysene	0.012	J	0.038	0.010	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	04/03/23 09:38	04/05/23 13:39	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-17(0-5)-032323

Lab Sample ID: 500-231240-10

Date Collected: 03/23/23 23:10

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.1

Method: SW846 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	☼	04/03/23 09:38	04/05/23 13:39	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/03/23 09:38	04/05/23 13:39	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/03/23 09:38	04/05/23 13:39	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/03/23 09:38	04/05/23 13:39	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	04/03/23 09:38	04/05/23 13:39	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/03/23 09:38	04/05/23 13:39	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	04/03/23 09:38	04/05/23 13:39	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	04/03/23 09:38	04/05/23 13:39	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	04/03/23 09:38	04/05/23 13:39	1
Pyrene	0.0077	J	0.038	0.0076	mg/Kg	☼	04/03/23 09:38	04/05/23 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	121		31 - 143	04/03/23 09:38	04/05/23 13:39	1
2-Fluorobiphenyl (Surr)	94		43 - 145	04/03/23 09:38	04/05/23 13:39	1
2-Fluorophenol (Surr)	119		31 - 166	04/03/23 09:38	04/05/23 13:39	1
Nitrobenzene-d5 (Surr)	86		37 - 147	04/03/23 09:38	04/05/23 13:39	1
Phenol-d5 (Surr)	95		30 - 153	04/03/23 09:38	04/05/23 13:39	1
Terphenyl-d14 (Surr)	110		42 - 157	04/03/23 09:38	04/05/23 13:39	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		03/30/23 17:01	04/03/23 19:57	1
Barium	0.38	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 19:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 19:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 19:57	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:57	1
Cobalt	0.014	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:57	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:57	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 19:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 19:57	1
Manganese	5.8		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:57	1
Nickel	0.014	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:57	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 19:57	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 19:57	1
Zinc	<0.50		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 19:57	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.032	J	0.050	0.010	mg/L		03/30/23 17:01	04/03/23 16:28	1
Barium	0.29	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 16:28	1
Beryllium	0.0043		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 16:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 16:28	1
Chromium	0.087		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:28	1
Cobalt	0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:28	1
Copper	0.070		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:28	1
Iron	96		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 16:28	1
Lead	0.070		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 16:28	1
Manganese	0.67		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:28	1
Nickel	0.071		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:28	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 16:28	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-17(0-5)-032323

Lab Sample ID: 500-231240-10

Date Collected: 03/23/23 23:10

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:28	1
Zinc	0.27	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 16:28	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5400		11	4.5	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Antimony	0.40	J	1.1	0.21	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Arsenic	4.7		0.55	0.19	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Barium	39		2.8	0.31	mg/Kg	☆	03/30/23 14:47	04/03/23 16:10	5
Beryllium	0.48		0.22	0.052	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Cadmium	<0.11		0.11	0.020	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Calcium	94000		55	9.4	mg/Kg	☆	03/30/23 14:47	04/03/23 16:10	5
Chromium	12		0.55	0.27	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Cobalt	5.9		0.28	0.072	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Copper	10	B	0.55	0.15	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Iron	15000		55	29	mg/Kg	☆	03/30/23 14:47	04/03/23 16:10	5
Lead	13		0.28	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Magnesium	56000	B	28	14	mg/Kg	☆	03/30/23 14:47	04/03/23 16:10	5
Manganese	350		0.55	0.080	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Nickel	14		0.55	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Potassium	810		28	9.8	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Selenium	<0.55		0.55	0.32	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Silver	0.17	J	0.28	0.071	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Sodium	470		55	8.2	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Thallium	<0.55		0.55	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Vanadium	14		0.28	0.065	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1
Zinc	27		1.1	0.49	mg/Kg	☆	03/30/23 14:47	03/31/23 23:05	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 12:07	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:08	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.017	0.0091	mg/Kg	☆	03/29/23 15:40	03/30/23 07:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.2	0.2	SU			03/29/23 17:06	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-17(5-10)-032323

Lab Sample ID: 500-231240-11

Date Collected: 03/23/23 23:20

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.13		0.096	0.042	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Benzene	<0.0096		0.0096	0.0024	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Bromodichloromethane	<0.0096		0.0096	0.0020	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Bromoform	<0.0096		0.0096	0.0028	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Bromomethane	<0.024	*	0.024	0.0091	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Carbon disulfide	<0.024		0.024	0.0050	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Carbon tetrachloride	<0.0096		0.0096	0.0028	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Chlorobenzene	<0.0096		0.0096	0.0035	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Chloroethane	<0.024		0.024	0.0071	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Chloroform	<0.0096		0.0096	0.0033	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Chloromethane	<0.024		0.024	0.0097	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
cis-1,2-Dichloroethene	<0.0096		0.0096	0.0027	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
cis-1,3-Dichloropropene	<0.0096		0.0096	0.0029	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Dibromochloromethane	<0.0096		0.0096	0.0031	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
1,1-Dichloroethane	<0.0096		0.0096	0.0033	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
1,2-Dichloroethane	<0.024		0.024	0.0075	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
1,1-Dichloroethene	<0.0096		0.0096	0.0033	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
1,2-Dichloropropane	<0.0096		0.0096	0.0025	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
1,3-Dichloropropene, Total	<0.0096		0.0096	0.0034	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Ethylbenzene	<0.0096		0.0096	0.0046	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
2-Hexanone	<0.024		0.024	0.0075	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Methylene Chloride	<0.024		0.024	0.0095	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Methyl Ethyl Ketone	0.022	J	0.024	0.011	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
methyl isobutyl ketone	<0.024		0.024	0.0071	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Methyl tert-butyl ether	<0.0096		0.0096	0.0028	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Styrene	<0.0096		0.0096	0.0029	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
1,1,2,2-Tetrachloroethane	<0.0096		0.0096	0.0031	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Tetrachloroethene	<0.0096		0.0096	0.0033	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Toluene	<0.0096		0.0096	0.0024	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
trans-1,2-Dichloroethene	<0.0096		0.0096	0.0043	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
trans-1,3-Dichloropropene	<0.0096		0.0096	0.0034	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
1,1,1-Trichloroethane	<0.0096		0.0096	0.0032	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
1,1,2-Trichloroethane	<0.0096		0.0096	0.0041	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Trichloroethene	<0.0096		0.0096	0.0032	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Vinyl chloride	<0.0096		0.0096	0.0043	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1
Xylenes, Total	<0.019		0.019	0.0031	mg/Kg	☆	03/24/23 17:35	04/03/23 12:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	03/24/23 17:35	04/03/23 12:20	1
Dibromofluoromethane (Surr)	107		75 - 126	03/24/23 17:35	04/03/23 12:20	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 134	03/24/23 17:35	04/03/23 12:20	1
Toluene-d8 (Surr)	107		75 - 124	03/24/23 17:35	04/03/23 12:20	1

Method: SW846 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	☆	04/03/23 09:38	04/04/23 18:36	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☆	04/03/23 09:38	04/04/23 18:36	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☆	04/03/23 09:38	04/04/23 18:36	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☆	04/03/23 09:38	04/04/23 18:36	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☆	04/03/23 09:38	04/04/23 18:36	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-17(5-10)-032323

Lab Sample ID: 500-231240-11

Date Collected: 03/23/23 23:20

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.6

Method: SW846 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	✳	04/03/23 09:38	04/04/23 18:36	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Bis(2-chloroethyl)ether	<0.20	+	0.20	0.059	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Carbazole	<0.20		0.20	0.098	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	✳	04/03/23 09:38	04/04/23 18:36	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-17(5-10)-032323

Lab Sample ID: 500-231240-11

Date Collected: 03/23/23 23:20

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.6

Method: SW846 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	☼	04/03/23 09:38	04/04/23 18:36	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/03/23 09:38	04/04/23 18:36	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/03/23 09:38	04/04/23 18:36	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	04/03/23 09:38	04/04/23 18:36	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/03/23 09:38	04/04/23 18:36	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/03/23 09:38	04/04/23 18:36	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	04/03/23 09:38	04/04/23 18:36	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	04/03/23 09:38	04/04/23 18:36	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/03/23 09:38	04/04/23 18:36	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	04/03/23 09:38	04/04/23 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	69		31 - 143	04/03/23 09:38	04/04/23 18:36	1
2-Fluorobiphenyl (Surr)	77		43 - 145	04/03/23 09:38	04/04/23 18:36	1
2-Fluorophenol (Surr)	105		31 - 166	04/03/23 09:38	04/04/23 18:36	1
Nitrobenzene-d5 (Surr)	66		37 - 147	04/03/23 09:38	04/04/23 18:36	1
Phenol-d5 (Surr)	91		30 - 153	04/03/23 09:38	04/04/23 18:36	1
Terphenyl-d14 (Surr)	95		42 - 157	04/03/23 09:38	04/04/23 18:36	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 20:00	1
Barium	0.33	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 20:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 20:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 20:00	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:00	1
Cobalt	0.018	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:00	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:00	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 20:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 20:00	1
Manganese	4.7		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:00	1
Nickel	0.024	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:00	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 20:00	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:00	1
Zinc	0.025	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 20:00	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.016	J	0.050	0.010	mg/L		03/30/23 17:01	04/03/23 16:31	1
Barium	0.15	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 16:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 16:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 16:31	1
Chromium	0.044		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:31	1
Cobalt	0.012	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:31	1
Copper	0.036		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:31	1
Iron	40		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 16:31	1
Lead	0.032		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 16:31	1
Manganese	0.30		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:31	1
Nickel	0.033		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:31	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 16:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-17(5-10)-032323

Lab Sample ID: 500-231240-11

Date Collected: 03/23/23 23:20

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:31	1
Zinc	0.092	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 16:31	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6700		12	4.7	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Antimony	0.35	J	1.2	0.23	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Arsenic	6.9		0.58	0.20	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Barium	49		2.9	0.33	mg/Kg	☆	03/30/23 14:47	04/03/23 16:13	5
Beryllium	0.55		0.23	0.054	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Calcium	76000		58	9.8	mg/Kg	☆	03/30/23 14:47	04/03/23 16:13	5
Chromium	9.7		0.58	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Cobalt	7.0		0.29	0.076	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Copper	12	B	0.58	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Iron	15000		58	30	mg/Kg	☆	03/30/23 14:47	04/03/23 16:13	5
Lead	15		0.29	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Magnesium	46000	B	29	14	mg/Kg	☆	03/30/23 14:47	04/03/23 16:13	5
Manganese	340		0.58	0.084	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Nickel	16		0.58	0.17	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Potassium	850		29	10	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Silver	0.20	J	0.29	0.075	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Sodium	440		58	8.6	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Vanadium	16		0.29	0.068	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1
Zinc	31		1.2	0.51	mg/Kg	☆	03/30/23 14:47	03/31/23 23:09	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 12:09	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:10	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.018	0.0096	mg/Kg	☆	03/29/23 15:40	03/30/23 07:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.2	0.2	SU			03/29/23 17:09	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-17(5-10)-032323D

Lab Sample ID: 500-231240-12

Date Collected: 03/23/23 23:20

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.039		0.018	0.0078	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Bromomethane	<0.0045	*	0.0045	0.0017	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Methyl Ethyl Ketone	0.0080		0.0045	0.0020	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☼	03/24/23 17:35	04/03/23 12:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		75 - 131	03/24/23 17:35	04/03/23 12:44	1
Dibromofluoromethane (Surr)	97		75 - 126	03/24/23 17:35	04/03/23 12:44	1
1,2-Dichloroethane-d4 (Surr)	113		70 - 134	03/24/23 17:35	04/03/23 12:44	1
Toluene-d8 (Surr)	107		75 - 124	03/24/23 17:35	04/03/23 12:44	1

Method: SW846 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	☼	04/03/23 09:38	04/04/23 17:10	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	04/03/23 09:38	04/04/23 17:10	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	04/03/23 09:38	04/04/23 17:10	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	04/03/23 09:38	04/04/23 17:10	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	04/03/23 09:38	04/04/23 17:10	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-17(5-10)-032323D

Lab Sample ID: 500-231240-12

Date Collected: 03/23/23 23:20

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.3

Method: SW846 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	✱	04/03/23 09:38	04/04/23 17:10	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Benzo[g,h,i]perylene	<0.039		0.039	0.012	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.040	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Bis(2-chloroethyl)ether	<0.19	+	0.19	0.058	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Carbazole	<0.19		0.19	0.097	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	✱	04/03/23 09:38	04/04/23 17:10	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-17(5-10)-032323D

Lab Sample ID: 500-231240-12

Date Collected: 03/23/23 23:20

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.3

Method: SW846 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	☼	04/03/23 09:38	04/04/23 17:10	1
Isophorone	<0.19		0.19	0.044	mg/Kg	☼	04/03/23 09:38	04/04/23 17:10	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/03/23 09:38	04/04/23 17:10	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/03/23 09:38	04/04/23 17:10	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/03/23 09:38	04/04/23 17:10	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	04/03/23 09:38	04/04/23 17:10	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/03/23 09:38	04/04/23 17:10	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	04/03/23 09:38	04/04/23 17:10	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	04/03/23 09:38	04/04/23 17:10	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	04/03/23 09:38	04/04/23 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		31 - 143				04/03/23 09:38	04/04/23 17:10	1
2-Fluorobiphenyl (Surr)	84		43 - 145				04/03/23 09:38	04/04/23 17:10	1
2-Fluorophenol (Surr)	115		31 - 166				04/03/23 09:38	04/04/23 17:10	1
Nitrobenzene-d5 (Surr)	70		37 - 147				04/03/23 09:38	04/04/23 17:10	1
Phenol-d5 (Surr)	108		30 - 153				04/03/23 09:38	04/04/23 17:10	1
Terphenyl-d14 (Surr)	108		42 - 157				04/03/23 09:38	04/04/23 17:10	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		03/30/23 17:01	04/03/23 20:03	1
Barium	0.43	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 20:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 20:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 20:03	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:03	1
Cobalt	0.018	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:03	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:03	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 20:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 20:03	1
Manganese	5.2		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:03	1
Nickel	0.020	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:03	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 20:03	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:03	1
Zinc	<0.50		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 20:03	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		03/30/23 17:01	04/03/23 16:34	1
Barium	0.10	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 16:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 16:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 16:34	1
Chromium	0.035		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:34	1
Cobalt	0.010	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:34	1
Copper	0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:34	1
Iron	31		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 16:34	1
Lead	0.027		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 16:34	1
Manganese	0.24		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:34	1
Nickel	0.028		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:34	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 16:34	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: M-17(5-10)-032323D

Lab Sample ID: 500-231240-12

Date Collected: 03/23/23 23:20

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:34	1
Zinc	0.063	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 16:34	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4800		12	4.8	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Antimony	0.25	J	1.2	0.23	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Arsenic	5.2		0.58	0.20	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Barium	32		2.9	0.33	mg/Kg	☆	03/30/23 14:47	04/03/23 16:17	5
Beryllium	0.48		0.23	0.055	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Cadmium	0.14		0.12	0.021	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Calcium	97000		58	9.9	mg/Kg	☆	03/30/23 14:47	04/03/23 16:17	5
Chromium	6.9		0.58	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Cobalt	5.2		0.29	0.077	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Copper	8.6	B	0.58	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Iron	12000		58	30	mg/Kg	☆	03/30/23 14:47	04/03/23 16:17	5
Lead	11		0.29	0.14	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Magnesium	59000	B	29	15	mg/Kg	☆	03/30/23 14:47	04/03/23 16:17	5
Manganese	320		0.58	0.085	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Nickel	12		0.58	0.17	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Potassium	880		29	10	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Silver	0.17	J	0.29	0.075	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Sodium	410		58	8.7	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Vanadium	12		0.29	0.069	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1
Zinc	20		1.2	0.51	mg/Kg	☆	03/30/23 14:47	03/31/23 23:12	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 12:12	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:16	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.018	0.0095	mg/Kg	☆	03/29/23 15:40	03/30/23 07:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4		0.2	0.2	SU			03/29/23 17:11	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable 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.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery 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 exceeds control 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, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent

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Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record

538476



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <u>A. Slezacek</u>		Site Contact: <u>C. Pave</u>		Date: <u>3-23-23</u>		COC No	
Company Name: <u>Weston Solutions</u>		Tel/Email:		Lab Contact: <u>R. Wright</u>		Carrier		1 of 3 COCs	
Address: <u>300 Knightbridge Pump St. 560</u>		Analysis Turnaround Time							
City/State/Zip: <u>Unionville, IL 60088</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____							
Phone		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
Fax		Filtered Sample (Y/N) Perform MS/MSD (Y/N) VOCs SVOCs Total Metals TCEP/SBP Metals pH X X X X X							
Project Name: <u>TDOT 051</u>									
Site: <u>7-80</u>									
P O #									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	500-231240 COC		Sample Specific Notes
1	M-13 (0-5) -032323	3-23-23	2110	G	S	6			
2	M-14 (0-5) -032323		2130						
3	M-15 (0-5) -032323		2140						
4	M-15 (0-5) -032323D		2140						
5	M-15 (5-10) -032323		2145						
6	M-15 (10-15) -032323		2150						
7	M-15 -032323		2225						
8	M-16 (0-5) -032323		2240						
9	M-16 (5-10) -032323		2245						
10	M-17 (0-5) -032323		2310						
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months									
Special Instructions/QC Requirements & Comments: <u>2.2 → 1.1, 2.4 → 1.3</u>									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd		Corr'd:		Therm ID No	
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>3-24-23 1325</u>		Received by: <u>[Signature]</u>		Company: <u>EST</u> Date/Time: <u>3/24/23 1320</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EST</u>		Date/Time: <u>3/24/23 1425</u>		Received by: <u>[Signature]</u>		Company: <u>EST</u> Date/Time: <u>3/24/23 1425</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EST</u>		Date/Time: <u>3/24/23 1425</u>		Received in Laboratory by: <u>[Signature]</u>		Company: <u>EST</u> Date/Time: <u>3/24/23 1425</u>	

Chain of Custody Record

538479



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <u>A. Slesars</u>		Site Contact: <u>C. Paine</u>		Date: <u>3/23-24/23</u>		COC No						
Company Name: <u>Western Solutions</u>		Tel/Email:		Lab Contact: <u>R. Wright</u>		Carrier:		2 of 3 COCs						
Address: <u>300 Knapshole Pkwy SE 300</u>		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SVOCs Total Metals TAP/SP/ML/MS pH				Sampler						
City/State/Zip: <u>Chickasha, OK 73008</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____						For Lab Use Only						
Phone:		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Walk-in Client						
Fax:								Lab Sampling						
Project Name: <u>RDOT 051</u>								Job / SDG No						
Site: <u>2-80</u>								500-231240						
P O #:								Sample Specific Notes						
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	SVOCs	Total Metals	TAP/SP/ML/MS	pH	Sample Specific Notes
11	M-17(5-10)-032323	3-23-23	2320	G	S	L			X	X	X	X	X	
12	M-17(5-10)-032323D		2320											
13	RC-2(0-5)-032323		2340											
14	RC-2(5-10)-032323		2350											
15	RC-2(10-15)-032323		2355											
16	RAW-59(0-5)-032423	3-24-23	0100											
17	RAW-60(0-5)-032423		0120											
18	RAW-60(5-10)-032423		0125											
19	RAW-57(0-5)-032423		0240											
20	RAW-58(0-5)-032423		0255											50
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other														
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months							
Special Instructions/QC Requirements & Comments:														
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd		Corr'd		Therm ID No						
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>3/24/23 1320</u>		Received by: <u>[Signature]</u>		Company: <u>EBTA</u>		Date/Time: <u>3/24/23 1320</u>				
Relinquished by: <u>[Signature]</u>		Company: <u>EBTA</u>		Date/Time: <u>3/24/23 1425</u>		Received by: <u>[Signature]</u>		Company: <u>EBTA</u>		Date/Time: <u>3/24/23 1425</u>				
Relinquished by: <u>[Signature]</u>		Company: <u>EBTA</u>		Date/Time: <u>3/24/23 1425</u>		Received by: <u>[Signature]</u>		Company: <u>EBTA</u>		Date/Time: <u>3/24/23 1425</u>				



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 80 (I-80) - e/o River Rd to w/o Houbolt Rd Office Phone Number, if available: _____

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

I-80 Bridge over I-55 (ISGS Site 2233V3-1)

City: Various State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.48649 Longitude: - 88.19742
(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.): 4,140

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 55-1, 55-2, M-11, ROW-20, ROW-21 and ROW-53 WERE SAMPLED AT THE I-80 BRIDGE OVER I-55. SEE FIGURE 3-5, AND TABLE 4-1 OF THE 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]:

EUROFINS ANALYTICAL REPORTS - JOB ID: 500-231022-1, 500-231095-1, 500-231348-1, 500-231932-1, 500-232206-1, AND 500-232207-1. ALSO SEE FIGURE 4-5 OF THE PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

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

Company Name: Weston Solutions, Inc.
Street Address: 300 Knightsbridge Parkway; Suite 360
City: Lincolnshire State: IL Zip Code: 60069
Phone: (224) 864-7200

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

Michael A. Castillo
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

7 June 2023
Date:


**Summary Table - I-80 ROW - Bridge over I-55 (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	55-1	55-1	55-1	55-2	55-2	M-11	M-11	M-11	M-11	ROW-20	ROW-20	ROW-20
Field Sample ID		55-1(0-5)-032223	55-1(5-10)-032223	55-1(10-15)-032223	55-2(0-5)-032223	55-2(5-10)-032223	M-11(0-5)-032123	M-11(5-10)-032123	M-11(5-10)-032123D	M-11(10-15)-032123	ROW-20(0-5)-032823	ROW-20(5-10)-032823	ROW-20(10-15)-032823
Sample Date		3/22/2023	3/22/2023	3/22/2023	3/22/2023	3/22/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/28/2023	3/28/2023	3/28/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
Laboratory pH	<6.25, >9.0	7.8 J	7.7	7.5	7.6	7.4	8.1 J	7.4	8.1	8.1	7.8	7.5	7.5
VOCs (mg/kg)													
Acetone	25	0.018	0.015	0.012 J	0.035	0.1	0.027	0.052	0.04	0.022	0.013 J	0.012 J	ND
Methyl ethyl ketone	---	ND	ND	ND	ND	ND	ND	0.0056	0.0056	ND	ND	ND	ND
SVOCs (mg/kg)													
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	---	ND	0.016 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	ND	ND	ND	ND	0.0065 J	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	ND	0.01 J	ND	0.0084 J	ND	0.03 J	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.09 / 11 / 2.1	ND	0.024 J	ND	0.013 J	ND	0.051	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9 / 13 / 2.1	ND	0.026 J	ND	0.023 J	ND	0.063	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	---	ND	ND	ND	ND	ND	0.036 J	ND	ND	ND	0.012 J	ND	ND
Benzo(k)fluoranthene	9	ND	0.011 J	ND	ND	ND	0.043	ND	ND	ND	ND	ND	ND
Chrysene	88	0.019 J	0.014 J	0.013 J	0.015 J	ND	0.05	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	ND	0.0083 J	ND	0.014 J	ND	0.071	ND	0.0071 J	ND	0.0078 J	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	ND	0.014 J	ND	0.011 J	ND	0.028 J	ND	ND	ND	ND	ND	ND
Phenanthrene	---	0.01 J	0.0086 J	0.008 J	0.01 J	ND	0.04	ND	0.0056 J	ND	0.02 J	ND	ND
Pyrene	2300	0.017 J	0.012 J	0.013 J	0.016 J	ND	0.06	ND	ND	ND	0.0089 J	ND	ND
Total Metals (mg/kg)													
Aluminum, Total	---	7000	5900	5400	10000	8000	11000	7100	7900	2700	10000	14000	10000
Antimony, Total	5	ND	ND	0.33 J	0.3 J	ND	ND	0.27 J	ND	ND	ND	0.22 J	ND
Arsenic, Total	11.3 / 13	6.4	8.2	8.2	8.2	6.9	7.1	6.2	5.5	5.5	6.5	7.4	6.6
Barium, Total	1500	40	28	20	79	59	110	60	61	17	53 B	100 B	46 B
Beryllium, Total	22	0.56	0.53	0.49	0.72	0.6	0.66	0.57	0.58	0.46	0.69 J	0.83 J	0.66 J
Cadmium, Total	5.2	0.23	0.24	0.21	0.26	0.22	0.32	0.17	0.2	0.11 J	0.2 J	0.27 J	0.24 J
Calcium, Total	---	82000 B	78000 B	72000 B	64000 B	77000 B	7400 B	57000 J	33000 J	97000 B	70000 B	8500 B	32000 B
Chromium, Total	21	12	10	9.6	15	12	13	8.2	8.9	4.2	15	18	14
Cobalt, Total	20	9.3	9.5	11	12	9.4	9.7	8.5	12	10	11	13	9.2
Copper, Total	2900	19	24	23	21	18	14 B	9.9 B	9.9 B	9.2 B	19	17	19
Iron, Total	15000 / 15900	18000 B	19000 B	19000 B	20000 B	18000 B	16000	12000	12000	13000	18000	19000	17000
Lead, Total	107	13	13	13	22	11	27	17	19	21	14	15	13
Magnesium, Total	325000	45000	46000	42000	28000	40000	4800	28000	21000	57000	27000	7000	19000
Manganese, Total	630 / 636	330 B	340 B	330 B	380 B	370 B	280	210	170	330	380 B	200 B	290 B
Mercury, Total	0.89	0.019	0.022	0.019	0.035	0.018	0.035	0.028	0.024	0.021	0.016 J	0.021	0.025
Nickel, Total	100	23	23	25	29	22	16	15	24	18	27	25	23
Potassium, Total	---	1400	1300	1200	1500	1300	960	840	920	1400	2200	1200	1400
Selenium, Total	1.3	0.42 J	ND	ND	ND	ND	0.38 J	ND	ND	ND	ND	ND	ND
Silver, Total	4.4	0.26 J	0.22 J	0.24 J	0.32	0.26 J	0.37	0.33	0.33	0.31	0.36	0.57	0.37
Sodium, Total	---	910	320	260	1800	690	1400	780	780	290	1200	530	340
Thallium, Total	2.6	ND	0.72	0.56 J	0.36 J	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	550	16	14	13	21	19	24	16	17	6.4	21	31	22
Zinc, Total	5100	51	55	51	58	45	67	31	36	12	53	62	56

**Summary Table - I-80 ROW - Bridge over I-55 (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	55-1	55-1	55-1	55-2	55-2	M-11	M-11	M-11	M-11	ROW-20	ROW-20	ROW-20
Field Sample ID		55-1(0-5)-032223	55-1(5-10)-032223	55-1(10-15)-032223	55-2(0-5)-032223	55-2(5-10)-032223	M-11(0-5)-032123	M-11(5-10)-032123	M-11(5-10)-032123D	M-11(10-15)-032123	ROW-20(0-5)-032823	ROW-20(5-10)-032823	ROW-20(10-15)-032823
Sample Date		3/22/2023	3/22/2023	3/22/2023	3/22/2023	3/22/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/28/2023	3/28/2023	3/28/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)													
Arsenic, TCLP	0.05	ND	ND	ND	0.012 J	ND	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.51	0.43 J	0.31 J	0.76	0.6	0.58	0.4 J	0.49 J	0.18 J	0.44 J	0.64	0.57
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	0.0031 J	0.0032 J	ND	ND	0.0025 J	ND	ND	0.0023 J	0.003 J	ND	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.011 J	0.012 J	ND	0.011 J	0.015 J	0.028	0.04	0.044	0.064	0.05	0.01 J	0.011 J
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	0.01 J	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	0.34 J	0.27 J	ND	ND	ND	ND	0.25 J	ND	ND	ND	0.21 J
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	3.1	3	2.2	4.5	3.6	7.5	9.7	8.6	3	6.2	4.5	4.2
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.014 J	0.013 J	0.012 J	0.012 J	0.022 J	0.025	0.042	0.041	0.11	0.028	ND	ND
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	ND	ND	ND	ND	0.069 J	ND	0.022 J	ND	ND	ND	ND
SPLP Metals (mg/l)													
Arsenic, SPLP	0.05	0.076	ND	0.013 J	0.037 J	ND	0.034 J	0.018 J	0.017 J	ND	0.07	0.036 J	0.028 J
Barium, SPLP	2	0.57	0.064 J	0.11 J	0.44 J	ND	0.76	0.18 J	0.28 J	ND	0.64	0.43 J	0.41 J
Beryllium, SPLP	0.004	0.0081	ND	ND	0.0048	ND	0.0054	ND	0.0041	ND	0.0085	0.0048	0.0047
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.17	0.014 J	0.045	0.099	ND	0.12	0.049	0.069	0.011 J	0.16	0.095	0.09
Cobalt, SPLP	1	0.093	ND	0.022 J	0.043	ND	0.02 J	0.02 J	0.023 J	ND	0.079	0.038	0.033
Copper, SPLP	0.65	0.19	0.013 J	0.048	0.09	ND	0.09	0.055	0.052	ND	0.21	0.087	0.073
Iron, SPLP	5	170	11	36	93	0.69	120	53	65	8.5	170	93	86
Lead, SPLP	0.0075	0.12	0.0089	0.031	0.07	ND	0.081	0.039	0.045	ND	0.12	0.05	0.04
Manganese, SPLP	0.15	1.4	0.12	0.28	1.1	0.051	0.83	0.42	0.64	0.077	2.1	0.96	0.89
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.22	ND	0.044	0.1	ND	0.081	0.05	0.053	ND	0.2	0.097	0.086
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.49 J	0.027 J	0.1 J	0.23 J	ND	0.49 J	0.12 J	0.2 J	ND	0.48 J	0.22 J	0.2 J

**Summary Table - I-80 ROW - Bridge over I-55 (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	ROW-21	ROW-21	ROW-21	ROW-21	ROW-53	ROW-53	ROW-53
Field Sample ID		ROW-21(0-5)-040723	ROW-21(5-10)-040723	ROW-21(10-15)-040723	ROW-21(15-18)-040723	ROW-53(0-5)-041323	ROW-53(5-10)-041323	ROW-53(10-15)-041323
Sample Date		4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/13/2023	4/13/2023	4/13/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
Laboratory pH	<6.25, >9.0	8.2	7.8	7.3	7.6	8.6	8.2	7.5
VOCs (mg/kg)								
Acetone	25	ND	ND	ND	ND	0.011 J	ND	0.008 J
Methyl ethyl ketone	---	ND	ND	ND	ND	ND	ND	ND
SVOCs (mg/kg)								
2-Methylnaphthalene	---	ND	ND	ND	ND	ND	0.012 J	ND
Acenaphthylene	---	ND	ND	ND	ND	ND	ND	ND
Anthracene	12000	ND	ND	ND	0.007 J	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	ND	ND	ND	0.034 J	0.039	ND	ND
Benzo(a)pyrene	0.09 / 11 / 2.1	ND	ND	ND	0.04	0.03 J	ND	ND
Benzo(b)fluoranthene	0.9 / 13 / 2.1	ND	ND	ND	0.066	0.019 J	ND	ND
Benzo(g,h,i)perylene	---	ND	ND	ND	0.051	ND	0.017 J	ND
Benzo(k)fluoranthene	9	ND	ND	ND	0.022 J	ND	ND	ND
Chrysene	88	ND	ND	ND	0.046	0.066	ND	ND
Fluoranthene	3100	0.014 J	ND	ND	0.042	0.0093 J	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	ND	ND	ND	0.048	ND	ND	ND
Phenanthrene	---	0.0081 J	ND	ND	0.018 J	0.0099 J	0.029 J	ND
Pyrene	2300	0.012 J	ND	ND	0.035 J	0.07	0.013 J	ND
Total Metals (mg/kg)								
Aluminum, Total	---	8300	8500	4400	4600	7900	8000	12000
Antimony, Total	5	ND	ND	ND	ND	0.28 J	0.26 J	0.38 J
Arsenic, Total	11.3 / 13	6.7	7.2	3.6	7.1	6.5	7.1	8
Barium, Total	1500	77 B	39 B	13 B	16 B	40	38	59 B
Beryllium, Total	22	0.71 J	0.7 J	0.68 J	0.66 J	0.58	0.62	0.79 J
Cadmium, Total	5.2	0.28 J	ND	ND	ND	0.19 J	0.15 J	0.16 J
Calcium, Total	---	59000	43000	74000	69000	86000 B	76000 B	53000 B
Chromium, Total	21	9.1	9.5	5	5.9	10	12	15
Cobalt, Total	20	11	9.3	5.9	8.4	7.9	9.9	11
Copper, Total	2900	14	13	7.8	11	15 B	22 B	20
Iron, Total	15000 / 15900	13000	14000	7700	12000	16000	19000	21000
Lead, Total	107	45	19	27	25	41	11	13
Magnesium, Total	325000	28000	20000	31000	30000	49000 B	39000 B	23000
Manganese, Total	630 / 636	560 B	250 B	150 B	240 B	330	330	570
Mercury, Total	0.89	0.029	0.023	0.016 J	0.032	0.015 J	0.011 J	0.031
Nickel, Total	100	18	19	16	20	18	25	26
Potassium, Total	---	1800	1500	2500	2300	1400	2000	2000
Selenium, Total	1.3	0.41 J	ND	ND	ND	ND	ND	ND
Silver, Total	4.4	0.33	0.4	0.36	0.32	0.23 J	0.23 J	0.29
Sodium, Total	---	460	1500	470	610	770	620	110
Thallium, Total	2.6	ND	ND	ND	ND	ND	ND	0.61
Vanadium, Total	550	16 B	16 B	7.4 B	8.4 B	17	17	22 B
Zinc, Total	5100	57	31	3.8	15	68	50	61

**Summary Table - I-80 ROW - Bridge over I-55 (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	ROW-21	ROW-21	ROW-21	ROW-21	ROW-53	ROW-53	ROW-53
Field Sample ID		ROW-21(0-5)-040723	ROW-21(5-10)-040723	ROW-21(10-15)-040723	ROW-21(15-18)-040723	ROW-53(0-5)-041323	ROW-53(5-10)-041323	ROW-53(10-15)-041323
Sample Date		4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/13/2023	4/13/2023	4/13/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)								
Arsenic, TCLP	0.05	ND	0.012 J	ND	ND	ND	ND	ND
Barium, TCLP	2	0.3 J	0.41 J	0.074 J	0.5	0.41 J	0.35 J	0.69
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	0.0026 J	0.0021 J	0.0023 J	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.017 J	0.04	0.13	0.042	ND	0.045	0.011 J
Copper, TCLP	0.65	ND	ND	ND	ND	ND	0.035	ND
Iron, TCLP	5	ND	0.48	0.37 J	0.25 J	ND	ND	ND
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	0.0076	ND
Manganese, TCLP	0.15	1.7	7.2	4	6.1	0.81	5.1	7
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.047	0.036	0.22	0.026	ND	0.055	0.011 J
Selenium, TCLP	0.05	0.02 J	ND	ND	ND	ND	ND	0.024 J
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	0.034 J	ND	0.28 J	0.073 J	0.04 J	ND
SPLP Metals (mg/l)								
Arsenic, SPLP	0.05	0.048 J	0.095	0.012 J	0.053	0.079	ND	0.013 J
Barium, SPLP	2	0.71	0.7	ND	0.35 J	0.46 J	ND	0.15 J
Beryllium, SPLP	0.004	0.0072	0.011	ND	0.011	0.0091	ND	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.13	0.19	ND	0.13	0.17	ND	0.037
Cobalt, SPLP	1	0.043	0.042	ND	0.057	0.093	ND	0.016 J
Copper, SPLP	0.65	0.11	0.17	ND	0.074	0.24	ND	0.038
Iron, SPLP	5	140	240	6.1	130	200	2.4	38
Lead, SPLP	0.0075	0.12	0.1	ND	0.094	0.18	ND	0.013
Manganese, SPLP	0.15	0.74	0.96	0.011 J	0.79	1.8	0.031	0.59
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.1	0.18	ND	0.16	0.24	ND	0.039
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.43 J	0.55	ND	0.19 J	0.65	ND	0.09 J

Notes and Abbreviations:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

 Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/4/2023 12:03:27 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231022-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231022-1	M-7(10-15)-032123	Solid	03/21/23 01:20	03/21/23 15:00
500-231022-2	M-7(10-15)-032123D	Solid	03/21/23 01:20	03/21/23 15:00
500-231022-3	M-7(15-18)-032123	Solid	03/21/23 01:25	03/21/23 15:00
500-231022-4	M-8(0-5)-032123	Solid	03/21/23 01:45	03/21/23 15:00
500-231022-5	M-8(5-10)-032123	Solid	03/21/23 01:50	03/21/23 15:00
500-231022-6	M-8(10-15)-032123	Solid	03/21/23 01:55	03/21/23 15:00
500-231022-7	M-9(0-5)-032123	Solid	03/21/23 02:10	03/21/23 15:00
500-231022-8	M-10(0-5)-032123	Solid	03/21/23 02:25	03/21/23 15:00
500-231022-9	M-10(5-10)-032123	Solid	03/21/23 02:30	03/21/23 15:00
500-231022-10	M-10(10-15)-032123	Solid	03/21/23 02:35	03/21/23 15:00
500-231022-11	M-11(0-5)-032123	Solid	03/21/23 02:45	03/21/23 15:00
500-231022-12	M-11(5-10)-032123	Solid	03/21/23 02:50	03/21/23 15:00
500-231022-13	M-11(5-10)-032123D	Solid	03/21/23 02:50	03/21/23 15:00
500-231022-14	M-11(10-15)-032123	Solid	03/21/23 02:55	03/21/23 15:00
500-231022-15	M-12(0-5)-032123	Solid	03/21/23 03:10	03/21/23 15:00
500-231022-16	M-12(5-10)-032123	Solid	03/21/23 03:15	03/21/23 15:00
500-231022-17	M-12(10-15)-032123	Solid	03/21/23 03:20	03/21/23 15:00



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(0-5)-032123

Lab Sample ID: 500-231022-11

Date Collected: 03/21/23 02:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.027		0.022	0.0094	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Benzene	<0.0022		0.0022	0.00055	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Bromodichloromethane	<0.0022		0.0022	0.00044	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Bromoform	<0.0022		0.0022	0.00063	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Bromomethane	<0.0054		0.0054	0.0020	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Carbon disulfide	<0.0054		0.0054	0.0011	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Carbon tetrachloride	<0.0022		0.0022	0.00063	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Chlorobenzene	<0.0022		0.0022	0.00080	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Chloroethane	<0.0054		0.0054	0.0016	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Chloroform	<0.0022		0.0022	0.00075	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Chloromethane	<0.0054		0.0054	0.0022	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
cis-1,2-Dichloroethene	<0.0022		0.0022	0.00061	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
cis-1,3-Dichloropropene	<0.0022		0.0022	0.00065	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Dibromochloromethane	<0.0022		0.0022	0.00071	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
1,1-Dichloroethane	<0.0022		0.0022	0.00074	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
1,2-Dichloroethane	<0.0054		0.0054	0.0017	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
1,1-Dichloroethene	<0.0022		0.0022	0.00074	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
1,2-Dichloropropane	<0.0022		0.0022	0.00056	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
1,3-Dichloropropene, Total	<0.0022		0.0022	0.00076	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Ethylbenzene	<0.0022		0.0022	0.0010	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
2-Hexanone	<0.0054		0.0054	0.0017	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Methylene Chloride	<0.0054		0.0054	0.0021	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Methyl Ethyl Ketone	<0.0054		0.0054	0.0024	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
methyl isobutyl ketone	<0.0054		0.0054	0.0016	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Methyl tert-butyl ether	<0.0022		0.0022	0.00064	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Styrene	<0.0022		0.0022	0.00065	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
1,1,2,2-Tetrachloroethane	<0.0022		0.0022	0.00069	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Tetrachloroethene	<0.0022		0.0022	0.00074	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Toluene	<0.0022		0.0022	0.00055	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
trans-1,2-Dichloroethene	<0.0022		0.0022	0.00096	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
trans-1,3-Dichloropropene	<0.0022		0.0022	0.00076	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
1,1,1-Trichloroethane	<0.0022		0.0022	0.00073	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
1,1,2-Trichloroethane	<0.0022		0.0022	0.00093	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Trichloroethene	<0.0022		0.0022	0.00073	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Vinyl chloride	<0.0022		0.0022	0.00096	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1
Xylenes, Total	<0.0043		0.0043	0.00069	mg/Kg	☆	03/21/23 17:18	03/29/23 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 131	03/21/23 17:18	03/29/23 17:14	1
Dibromofluoromethane (Surr)	94		75 - 126	03/21/23 17:18	03/29/23 17:14	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	03/21/23 17:18	03/29/23 17:14	1
Toluene-d8 (Surr)	91		75 - 124	03/21/23 17:18	03/29/23 17:14	1

Method: SW846 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	☆	03/28/23 08:30	03/29/23 20:22	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 08:30	03/29/23 20:22	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☆	03/28/23 08:30	03/29/23 20:22	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☆	03/28/23 08:30	03/29/23 20:22	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☆	03/28/23 08:30	03/29/23 20:22	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(0-5)-032123

Lab Sample ID: 500-231022-11

Date Collected: 03/21/23 02:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.0

Method: SW846 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	✳	03/28/23 08:30	03/29/23 20:22	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
2-Chlorophenol	<0.20	+	0.20	0.066	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Anthracene	0.0065	J	0.039	0.0065	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Benzo[a]anthracene	0.030	J	0.039	0.0052	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Benzo[a]pyrene	0.051		0.039	0.0075	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Benzo[b]fluoranthene	0.063		0.039	0.0084	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Benzo[g,h,i]perylene	0.036	J	0.039	0.013	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Benzo[k]fluoranthene	0.043		0.039	0.011	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Bis(2-chloroethyl)ether	<0.20	+	0.20	0.058	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Chrysene	0.050		0.039	0.011	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Fluoranthene	0.071		0.039	0.0072	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✳	03/28/23 08:30	03/29/23 20:22	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(0-5)-032123

Lab Sample ID: 500-231022-11

Date Collected: 03/21/23 02:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.028	J	0.039	0.010	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
Pentachlorophenol	<0.79		0.79	0.62	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
Phenanthrene	0.040		0.039	0.0054	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
Pyrene	0.060		0.039	0.0077	mg/Kg	☼	03/28/23 08:30	03/29/23 20:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		31 - 143				03/28/23 08:30	03/29/23 20:22	1
2-Fluorobiphenyl (Surr)	96		43 - 145				03/28/23 08:30	03/29/23 20:22	1
2-Fluorophenol (Surr)	132		31 - 166				03/28/23 08:30	03/29/23 20:22	1
Nitrobenzene-d5 (Surr)	96		37 - 147				03/28/23 08:30	03/29/23 20:22	1
Phenol-d5 (Surr)	120		30 - 153				03/28/23 08:30	03/29/23 20:22	1
Terphenyl-d14 (Surr)	119		42 - 157				03/28/23 08:30	03/29/23 20:22	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 14:14	1
Barium	0.58		0.50	0.050	mg/L		03/24/23 16:46	03/27/23 14:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 14:14	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 14:14	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:14	1
Cobalt	0.028		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:14	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:14	1
Iron	<0.40	*+	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 14:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 14:14	1
Manganese	7.5		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:14	1
Nickel	0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:14	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 14:14	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:14	1
Zinc	0.069	J	0.50	0.020	mg/L		03/24/23 16:46	03/27/23 14:14	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.034	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 21:19	1
Barium	0.76		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 21:19	1
Beryllium	0.0054		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 21:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 21:19	1
Chromium	0.12		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:19	1
Cobalt	0.020	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:19	1
Copper	0.090		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:19	1
Iron	120		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 21:19	1
Lead	0.081		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 21:19	1
Manganese	0.83		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:19	1
Nickel	0.081		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:19	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 21:19	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(0-5)-032123

Lab Sample ID: 500-231022-11

Date Collected: 03/21/23 02:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 83.0

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:19	1
Zinc	0.49	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 21:19	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		12	4.7	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Arsenic	7.1		0.58	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Barium	110		0.58	0.066	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Beryllium	0.66		0.23	0.054	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Cadmium	0.32		0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Calcium	7400	B	12	2.0	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Chromium	13		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Cobalt	9.7		0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Copper	14	B	0.58	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Iron	16000		12	6.0	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Lead	27		0.29	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Magnesium	4800		5.8	2.9	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Manganese	280		0.58	0.084	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Nickel	16		0.58	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Potassium	960		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Selenium	0.38	J	0.58	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Silver	0.37		0.29	0.075	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Sodium	1400		58	8.6	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Vanadium	24		0.29	0.068	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1
Zinc	67		1.2	0.51	mg/Kg	☆	03/24/23 14:24	03/28/23 17:11	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 09:58	1

Method: SW846 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		03/27/23 16:10	03/28/23 11:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.018	0.0094	mg/Kg	☆	03/24/23 17:10	03/27/23 10:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.2	0.2	SU			03/23/23 22:25	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(5-10)-032123

Lab Sample ID: 500-231022-12

Date Collected: 03/21/23 02:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.052		0.019	0.0081	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Benzene	<0.0019		0.0019	0.00047	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Bromoform	<0.0019		0.0019	0.00054	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Bromomethane	<0.0046		0.0046	0.0018	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Carbon disulfide	<0.0046		0.0046	0.00097	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Chlorobenzene	<0.0019		0.0019	0.00069	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Chloroform	<0.0019		0.0019	0.00065	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Chloromethane	<0.0046		0.0046	0.0019	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00056	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
1,1-Dichloroethene	<0.0019		0.0019	0.00064	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
1,2-Dichloropropane	<0.0019		0.0019	0.00048	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00065	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Ethylbenzene	<0.0019		0.0019	0.00089	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Methyl Ethyl Ketone	0.0056		0.0046	0.0021	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Styrene	<0.0019		0.0019	0.00056	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00059	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Tetrachloroethene	<0.0019		0.0019	0.00063	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Toluene	<0.0019		0.0019	0.00047	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00082	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00065	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00062	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00080	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Vinyl chloride	<0.0019		0.0019	0.00082	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☆	03/21/23 17:18	03/29/23 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	03/21/23 17:18	03/29/23 17:39	1
Dibromofluoromethane (Surr)	93		75 - 126	03/21/23 17:18	03/29/23 17:39	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	03/21/23 17:18	03/29/23 17:39	1
Toluene-d8 (Surr)	90		75 - 124	03/21/23 17:18	03/29/23 17:39	1

Method: SW846 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	☆	03/28/23 08:30	03/29/23 12:43	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(5-10)-032123

Lab Sample ID: 500-231022-12

Date Collected: 03/21/23 02:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.5

Method: SW846 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	☆	03/28/23 08:30	03/29/23 12:43	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2-Chlorophenol	<0.20	*+	0.20	0.069	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Bis(2-chloroethyl)ether	<0.20	*+	0.20	0.060	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☆	03/28/23 08:30	03/29/23 12:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(5-10)-032123

Lab Sample ID: 500-231022-12

Date Collected: 03/21/23 02:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.5

Method: SW846 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	☼	03/28/23 08:30	03/29/23 12:43	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	03/28/23 08:30	03/29/23 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	103		31 - 143	03/28/23 08:30	03/29/23 12:43	1
2-Fluorobiphenyl (Surr)	96		43 - 145	03/28/23 08:30	03/29/23 12:43	1
2-Fluorophenol (Surr)	132		31 - 166	03/28/23 08:30	03/29/23 12:43	1
Nitrobenzene-d5 (Surr)	96		37 - 147	03/28/23 08:30	03/29/23 12:43	1
Phenol-d5 (Surr)	117		30 - 153	03/28/23 08:30	03/29/23 12:43	1
Terphenyl-d14 (Surr)	112		42 - 157	03/28/23 08:30	03/29/23 12:43	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 14:23	1
Barium	0.40	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 14:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 14:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 14:23	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:23	1
Cobalt	0.040		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:23	1
Copper	0.010	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:23	1
Iron	<0.40	*+	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 14:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 14:23	1
Manganese	9.7		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:23	1
Nickel	0.042		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:23	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 14:23	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:23	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 14:23	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.018	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 21:22	1
Barium	0.18	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 21:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 21:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 21:22	1
Chromium	0.049		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:22	1
Cobalt	0.020	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:22	1
Copper	0.055		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:22	1
Iron	53		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 21:22	1
Lead	0.039		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 21:22	1
Manganese	0.42		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:22	1
Nickel	0.050		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 21:22	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(5-10)-032123

Lab Sample ID: 500-231022-12

Date Collected: 03/21/23 02:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.5

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:22	1
Zinc	0.12	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 21:22	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7100		12	4.8	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Antimony	0.27	J	1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Arsenic	6.2		0.58	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Barium	60		0.58	0.066	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Beryllium	0.57		0.23	0.054	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Cadmium	0.17		0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Calcium	57000	B	120	20	mg/Kg	☆	03/24/23 14:24	03/29/23 16:58	10
Chromium	8.2		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Cobalt	8.5		0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Copper	9.9	B	0.58	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Iron	12000		12	6.0	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Lead	17		0.29	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Magnesium	28000		5.8	2.9	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Manganese	210		0.58	0.084	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Nickel	15		0.58	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Potassium	840		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Silver	0.33		0.29	0.075	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Sodium	780		58	8.6	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Vanadium	16		0.29	0.069	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1
Zinc	31		1.2	0.51	mg/Kg	☆	03/24/23 14:24	03/28/23 17:14	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 10:00	1

Method: SW846 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		03/27/23 16:10	03/28/23 11:43	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.019	0.010	mg/Kg	☆	03/24/23 17:10	03/27/23 11:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.2	0.2	SU			03/23/23 22:30	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(5-10)-032123D

Lab Sample ID: 500-231022-13

Date Collected: 03/21/23 02:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 85.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.040		0.018	0.0079	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Carbon disulfide	<0.0045		0.0045	0.00095	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Methyl Ethyl Ketone	0.0056		0.0045	0.0020	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☆	03/21/23 17:18	03/29/23 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	03/21/23 17:18	03/29/23 18:05	1
Dibromofluoromethane (Surr)	93		75 - 126	03/21/23 17:18	03/29/23 18:05	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/21/23 17:18	03/29/23 18:05	1
Toluene-d8 (Surr)	87		75 - 124	03/21/23 17:18	03/29/23 18:05	1

Method: SW846 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	☆	03/28/23 08:30	03/29/23 13:07	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	03/28/23 08:30	03/29/23 13:07	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(5-10)-032123D

Lab Sample ID: 500-231022-13

Date Collected: 03/21/23 02:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 85.4

Method: SW846 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	✱	03/28/23 08:30	03/29/23 13:07	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
2-Chlorophenol	<0.19	*+	0.19	0.065	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Bis(2-chloroethyl)ether	<0.19	*+	0.19	0.057	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Fluoranthene	0.0071	J	0.038	0.0070	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✱	03/28/23 08:30	03/29/23 13:07	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(5-10)-032123D

Lab Sample ID: 500-231022-13

Date Collected: 03/21/23 02:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 85.4

Method: SW846 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	☼	03/28/23 08:30	03/29/23 13:07	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.046	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1
Phenanthrene	0.0056	J	0.038	0.0053	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	03/28/23 08:30	03/29/23 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	104		31 - 143	03/28/23 08:30	03/29/23 13:07	1
2-Fluorobiphenyl (Surr)	93		43 - 145	03/28/23 08:30	03/29/23 13:07	1
2-Fluorophenol (Surr)	136		31 - 166	03/28/23 08:30	03/29/23 13:07	1
Nitrobenzene-d5 (Surr)	92		37 - 147	03/28/23 08:30	03/29/23 13:07	1
Phenol-d5 (Surr)	120		30 - 153	03/28/23 08:30	03/29/23 13:07	1
Terphenyl-d14 (Surr)	109		42 - 157	03/28/23 08:30	03/29/23 13:07	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 14:27	1
Barium	0.49	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 14:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 14:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 14:27	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:27	1
Cobalt	0.044		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:27	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:27	1
Iron	0.25	J**	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 14:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 14:27	1
Manganese	8.6		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:27	1
Nickel	0.041		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:27	1
Selenium	0.021	J B	0.050	0.020	mg/L		03/24/23 16:46	03/27/23 14:27	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:27	1
Zinc	0.022	J	0.50	0.020	mg/L		03/24/23 16:46	03/27/23 14:27	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.017	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 21:25	1
Barium	0.28	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 21:25	1
Beryllium	0.0041		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 21:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 21:25	1
Chromium	0.069		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:25	1
Cobalt	0.023	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:25	1
Copper	0.052		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:25	1
Iron	65		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 21:25	1
Lead	0.045		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 21:25	1
Manganese	0.64		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:25	1
Nickel	0.053		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:25	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 21:25	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(5-10)-032123D

Lab Sample ID: 500-231022-13

Date Collected: 03/21/23 02:50

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 85.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:25	1
Zinc	0.20	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 21:25	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7900		12	4.7	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Antimony	<1.2		1.2	0.22	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Arsenic	5.5		0.58	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Barium	61		0.58	0.066	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Beryllium	0.58		0.23	0.054	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Cadmium	0.20		0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Calcium	33000	B	12	2.0	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Chromium	8.9		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Cobalt	12		0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Copper	9.9	B	0.58	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Iron	12000		12	6.0	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Lead	19		0.29	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Magnesium	21000		5.8	2.9	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Manganese	170		0.58	0.084	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Nickel	24		0.58	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Potassium	920		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Silver	0.33		0.29	0.074	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Sodium	780		58	8.5	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Vanadium	17		0.29	0.068	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1
Zinc	36		1.2	0.51	mg/Kg	☆	03/24/23 14:24	03/28/23 17:18	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 10:06	1

Method: SW846 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		03/27/23 16:10	03/28/23 11:45	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.019	0.0099	mg/Kg	☆	03/24/23 17:10	03/27/23 11:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.2	0.2	SU			03/23/23 22:32	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(10-15)-032123

Lab Sample ID: 500-231022-14

Date Collected: 03/21/23 02:55

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 84.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.022		0.018	0.0078	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☆	03/21/23 17:18	03/29/23 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 131	03/21/23 17:18	03/29/23 18:30	1
Dibromofluoromethane (Surr)	94		75 - 126	03/21/23 17:18	03/29/23 18:30	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	03/21/23 17:18	03/29/23 18:30	1
Toluene-d8 (Surr)	88		75 - 124	03/21/23 17:18	03/29/23 18:30	1

Method: SW846 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	☆	03/28/23 08:30	03/29/23 13:31	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(10-15)-032123

Lab Sample ID: 500-231022-14

Date Collected: 03/21/23 02:55

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 84.8

Method: SW846 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	☆	03/28/23 08:30	03/29/23 13:31	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
2-Chlorophenol	<0.19	*+	0.19	0.065	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
2-Methylnaphthalene	<0.076		0.076	0.0070	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Bis(2-chloroethyl)ether	<0.19	*+	0.19	0.057	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☆	03/28/23 08:30	03/29/23 13:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(10-15)-032123

Lab Sample ID: 500-231022-14

Date Collected: 03/21/23 02:55

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 84.8

Method: SW846 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	☼	03/28/23 08:30	03/29/23 13:31	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	03/28/23 08:30	03/29/23 13:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	99		31 - 143				03/28/23 08:30	03/29/23 13:31	1
2-Fluorobiphenyl (Surr)	100		43 - 145				03/28/23 08:30	03/29/23 13:31	1
2-Fluorophenol (Surr)	133		31 - 166				03/28/23 08:30	03/29/23 13:31	1
Nitrobenzene-d5 (Surr)	98		37 - 147				03/28/23 08:30	03/29/23 13:31	1
Phenol-d5 (Surr)	114		30 - 153				03/28/23 08:30	03/29/23 13:31	1
Terphenyl-d14 (Surr)	109		42 - 157				03/28/23 08:30	03/29/23 13:31	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 14:30	1
Barium	0.18	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 14:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 14:30	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 14:30	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:30	1
Cobalt	0.064		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:30	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:30	1
Iron	<0.40	*+	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 14:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 14:30	1
Manganese	3.0		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:30	1
Nickel	0.11		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:30	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 14:30	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 14:30	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 14:30	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 21:28	1
Barium	<0.50		0.50	0.050	mg/L		03/24/23 16:47	03/28/23 21:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 21:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 21:28	1
Chromium	0.011	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:28	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:28	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:28	1
Iron	8.5		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 21:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 21:28	1
Manganese	0.077		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:28	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:28	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 21:28	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Client Sample ID: M-11(10-15)-032123

Lab Sample ID: 500-231022-14

Date Collected: 03/21/23 02:55

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 84.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 21:28	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:47	03/28/23 21:28	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2700		12	4.7	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Arsenic	5.5		0.58	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Barium	17		5.8	0.66	mg/Kg	☆	03/24/23 14:24	03/29/23 17:01	10
Beryllium	0.46		0.23	0.054	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Cadmium	0.11	J	0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Calcium	97000	B	120	20	mg/Kg	☆	03/24/23 14:24	03/29/23 17:01	10
Chromium	4.2		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Cobalt	10		0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Copper	9.2	B	0.58	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Iron	13000		120	60	mg/Kg	☆	03/24/23 14:24	03/29/23 17:01	10
Lead	21		0.29	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Magnesium	57000		58	29	mg/Kg	☆	03/24/23 14:24	03/29/23 17:01	10
Manganese	330		0.58	0.084	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Nickel	18		0.58	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Potassium	1400		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Silver	0.31		0.29	0.075	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Sodium	290		58	8.6	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Vanadium	6.4		0.29	0.069	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1
Zinc	12		1.2	0.51	mg/Kg	☆	03/24/23 14:24	03/28/23 17:21	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 10:08	1

Method: SW846 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		03/27/23 16:10	03/28/23 11:51	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.018	0.0098	mg/Kg	☆	03/24/23 17:10	03/27/23 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.2	0.2	SU			03/23/23 22:35	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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 and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control 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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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 exceeds control 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Eurofins Chicago

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231022-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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Chain of Custody Record 640969



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <i>A. Cleves</i>		Site Contact: <i>L. Paine</i>		Date: <i>3-21-23</i>		COC No:	
Company Name: <i>Weston Solutions</i>		Tel/Email:		Lab Contact: <i>R. Wright</i>		Carrier:		<i>3</i> of <i>4</i> COCs	
Address: <i>300 Cambridge Pkwy Ste 300</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
City/State/Zip: <i>Leicester, MA 01545</i>									
Phone:		Filtered Sample (Y/N) Perform MS/MSD (Y/N) VOCs SVOCs Metals TSP/SPM Metals pH		500-231022 COC 		For Lab Use Only: Walk-in Client Lab Sampling		Job / SDG No <i>500-231022</i>	
Fax:									
Project Name: <i>RPT 051</i>									
Site: <i>R-10</i>									
P O #									

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	VOCs	SVOCs	Metals	TSP/SPM Metals	pH	Sample Specific Notes
<i>1 M-7 (10-15)-032103</i>	<i>3-21-23</i>	<i>0120</i>	<i>G</i>	<i>S</i>	<i>6</i>			<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>		
<i>2 M-7 (10-15)-032103D</i>		<i>0120</i>											
<i>3 M-7 (15-18)-032103</i>		<i>0125</i>											
<i>4 M-8 (0-5)-032103</i>		<i>0145</i>											
<i>5 M-8 (5-10)-032123</i>		<i>0150</i>											
<i>6 M-8 (10-15)-032103</i>		<i>0155</i>											
<i>7 M-9 (0-5)-032103</i>		<i>0210</i>											
<i>8 M-10 (0-5)-032103</i>		<i>0225</i>											
<i>9 M-10 (5-10)-032123</i>		<i>0230</i>											
<i>10 M-10 (10-15)-032103</i>		<i>0235</i>											

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months
---	--

Special Instructions/QC Requirements & Comments:
5.9-75.8, 5.5-74.4, 5.8-74.7

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____	
Relinquished by <i>[Signature]</i>	Company <i>WS</i>	Date/Time <i>3/21/23</i>	Received by <i>[Signature]</i>	Company <i>ETA</i>	Date/Time <i>3/21/23 1314</i>		
Relinquished by <i>[Signature]</i>	Company <i>ETA</i>	Date/Time <i>3/21/23</i>	Received by <i>[Signature]</i>	Company <i>ETA</i>	Date/Time <i>3/21/23 1500</i>		
Relinquished by <i>[Signature]</i>	Company <i>ETA</i>	Date/Time <i>3/21/23</i>	Received in Laboratory by <i>[Signature]</i>	Company <i>ETA</i>	Date/Time <i>3/21/23 1500</i>		

Chain of Custody Record 640970



Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>A. Slesare</u>		Site Contact: <u>C. Pene</u>		Date: <u>3-21-23</u>		COC No			
Company Name <u>Weston Solutions</u>		Tel/Email		Lab Contact: <u>R. Whit</u>		Carrier		<u>4</u> of <u>4</u> COCs			
Address <u>800 Knightbridge Pkwy #300</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> .2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day									
City/State/Zip <u>Madison, AL 36067</u>											
Phone											
Fax											
Project Name <u>PDOT 051</u>											
Site <u>R-80</u>		Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sample Specific Notes

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Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sample Specific Notes
M-11(0-5)-032123	3-21-23	0245	G	S	6		X	
M-11(5-10)-032123	↓	0250					X	the 0250
M-11(5-10)-032123D	↓	0258					X	
M-11(10-15)-032123	↓	0255					X	
M-12(0-5)-032123	↓	0310					X	
M-12(5-10)-032123	↓	0315					X	
M-12(10-15)-032123	↓	0320					X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification.
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

Non-Hazard Flammable Skin Irritant Poison B Unknown

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd		Corr'd		Therm ID No	
Relinquished by: <u>[Signature]</u>	Company: <u>WS</u>	Date/Time: <u>3/21/23</u>	Received by: <u>[Signature]</u>	Company: <u>ESTN</u>	Date/Time: <u>3-21-23</u>	Received by: <u>[Signature]</u>	Company: <u>ESTN</u>	Date/Time: <u>3-21-23</u>	Therm ID No: <u>1500</u>
Relinquished by: <u>[Signature]</u>	Company: <u>ECTA</u>	Date/Time: <u>3/21/23</u>	Received by: <u>[Signature]</u>	Company: <u>ECTA</u>	Date/Time: <u>3/21/23</u>	Received by: <u>[Signature]</u>	Company: <u>ECTA</u>	Date/Time: <u>3/21/23</u>	Therm ID No: <u>1500</u>



 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 3/31/2023 5:27:24 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231095-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231095-1	M-23(0-5)-032123	Solid	03/21/23 22:05	03/22/23 15:46
500-231095-2	M-23(5-10)-032123	Solid	03/21/23 22:10	03/22/23 15:46
500-231095-3	M-23(10-15)-032123	Solid	03/21/23 22:15	03/22/23 15:46
500-231095-4	M-22(0-5)-032123	Solid	03/21/23 22:40	03/22/23 15:46
500-231095-5	M-22(5-10)-032123	Solid	03/21/23 22:45	03/22/23 15:46
500-231095-6	M-21(0-5)-032123	Solid	03/21/23 23:10	03/22/23 15:46
500-231095-7	M-20(0-5)-032123	Solid	03/21/23 23:25	03/22/23 15:46
500-231095-8	M-19(0-5)-032123	Solid	03/21/23 23:50	03/22/23 15:46
500-231095-9	M-18(0-5)-032223	Solid	03/22/23 00:25	03/22/23 15:46
500-231095-10	RC-4(0-5)-032223	Solid	03/22/23 00:50	03/22/23 15:46
500-231095-11	55-1(0-5)-032223	Solid	03/22/23 02:25	03/22/23 15:46
500-231095-12	55-1(5-10)-032223	Solid	03/22/23 02:30	03/22/23 15:46
500-231095-13	55-1(10-15)-032223	Solid	03/22/23 02:35	03/22/23 15:46
500-231095-14	55-2(0-5)-032223	Solid	03/22/23 03:00	03/22/23 15:46
500-231095-15	55-2(5-10)-032223	Solid	03/22/23 03:05	03/22/23 15:46
500-231095-16	55-2-032223	Water	03/22/23 03:20	03/22/23 15:46
500-231095-17	55-2-032223D	Water	03/22/23 03:20	03/22/23 15:46
500-231095-18	Trip Blank	Water	03/21/23 00:00	03/22/23 15:46

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-1(0-5)-032223

Lab Sample ID: 500-231095-11

Date Collected: 03/22/23 02:25

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 85.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.018		0.015	0.0066	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Carbon disulfide	<0.0038		0.0038	0.00079	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00065	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Vinyl chloride	<0.0015		0.0015	0.00067	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1
Xylenes, Total	<0.0030		0.0030	0.00049	mg/Kg	☆	03/22/23 17:27	03/26/23 22:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		75 - 131	03/22/23 17:27	03/26/23 22:10	1
Dibromofluoromethane (Surr)	96		75 - 126	03/22/23 17:27	03/26/23 22:10	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	03/22/23 17:27	03/26/23 22:10	1
Toluene-d8 (Surr)	89		75 - 124	03/22/23 17:27	03/26/23 22:10	1

Method: SW846 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	☆	03/30/23 08:01	03/30/23 19:19	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☆	03/30/23 08:01	03/30/23 19:19	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	03/30/23 08:01	03/30/23 19:19	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☆	03/30/23 08:01	03/30/23 19:19	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☆	03/30/23 08:01	03/30/23 19:19	1

Euofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-1(0-5)-032223

Lab Sample ID: 500-231095-11

Date Collected: 03/22/23 02:25

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 85.3

Method: SW846 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	✳	03/30/23 08:01	03/30/23 19:19	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Benzo[a]pyrene	<0.038		0.038	0.0075	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Carbazole	<0.19		0.19	0.096	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Chrysene	0.019	J	0.038	0.011	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	✳	03/30/23 08:01	03/30/23 19:19	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-1(0-5)-032223

Lab Sample ID: 500-231095-11

Date Collected: 03/22/23 02:25

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 85.3

Method: SW846 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	☼	03/30/23 08:01	03/30/23 19:19	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	03/30/23 08:01	03/30/23 19:19	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	03/30/23 08:01	03/30/23 19:19	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	03/30/23 08:01	03/30/23 19:19	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	03/30/23 08:01	03/30/23 19:19	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	03/30/23 08:01	03/30/23 19:19	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	03/30/23 08:01	03/30/23 19:19	1
Phenanthrene	0.010	J	0.038	0.0054	mg/Kg	☼	03/30/23 08:01	03/30/23 19:19	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	03/30/23 08:01	03/30/23 19:19	1
Pyrene	0.017	J	0.038	0.0077	mg/Kg	☼	03/30/23 08:01	03/30/23 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	92		31 - 143	03/30/23 08:01	03/30/23 19:19	1
2-Fluorobiphenyl (Surr)	109		43 - 145	03/30/23 08:01	03/30/23 19:19	1
2-Fluorophenol (Surr)	138		31 - 166	03/30/23 08:01	03/30/23 19:19	1
Nitrobenzene-d5 (Surr)	89		37 - 147	03/30/23 08:01	03/30/23 19:19	1
Phenol-d5 (Surr)	123		30 - 153	03/30/23 08:01	03/30/23 19:19	1
Terphenyl-d14 (Surr)	120		42 - 157	03/30/23 08:01	03/30/23 19:19	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/29/23 16:10	03/30/23 15:26	1
Barium	0.51		0.50	0.050	mg/L		03/29/23 16:10	03/30/23 15:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/23 16:10	03/30/23 15:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/29/23 16:10	03/30/23 15:26	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:26	1
Cobalt	0.011	J	0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:26	1
Copper	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:26	1
Iron	<0.40		0.40	0.20	mg/L		03/29/23 16:10	03/30/23 15:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/23 16:10	03/30/23 15:26	1
Manganese	3.1		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:26	1
Nickel	0.014	J	0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:26	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/23 16:10	03/30/23 15:26	1
Silver	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:26	1
Zinc	<0.50		0.50	0.020	mg/L		03/29/23 16:10	03/30/23 15:26	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.076		0.050	0.010	mg/L		03/30/23 06:15	03/31/23 13:41	1
Barium	0.57		0.50	0.050	mg/L		03/30/23 06:15	03/31/23 13:41	1
Beryllium	0.0081		0.0040	0.0040	mg/L		03/30/23 06:15	03/31/23 13:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 06:15	03/31/23 13:41	1
Chromium	0.17		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:41	1
Cobalt	0.093		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:41	1
Copper	0.19		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:41	1
Iron	170		0.40	0.20	mg/L		03/30/23 06:15	03/31/23 13:41	1
Lead	0.12		0.0075	0.0075	mg/L		03/30/23 06:15	03/31/23 13:41	1
Manganese	1.4		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:41	1
Nickel	0.22		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:41	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 06:15	03/31/23 13:41	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-1(0-5)-032223

Lab Sample ID: 500-231095-11

Date Collected: 03/22/23 02:25

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 85.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:41	1
Zinc	0.49	J	0.50	0.020	mg/L		03/30/23 06:15	03/31/23 13:41	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7000		11	4.6	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Antimony	<1.1		1.1	0.22	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Arsenic	6.4		0.56	0.19	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Barium	40		2.8	0.32	mg/Kg	☆	03/27/23 21:15	03/30/23 19:22	5
Beryllium	0.56		0.23	0.053	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Cadmium	0.23		0.11	0.020	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Calcium	82000	B	56	9.6	mg/Kg	☆	03/27/23 21:15	03/30/23 19:22	5
Chromium	12		0.56	0.28	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Cobalt	9.3		0.28	0.074	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Copper	19		0.56	0.16	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Iron	18000	B	56	29	mg/Kg	☆	03/27/23 21:15	03/30/23 19:22	5
Lead	13		0.28	0.13	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Magnesium	45000		28	14	mg/Kg	☆	03/27/23 21:15	03/30/23 19:22	5
Manganese	330	B	0.56	0.082	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Nickel	23		0.56	0.16	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Potassium	1400		28	10	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Selenium	0.42	J	0.56	0.33	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Silver	0.26	J	0.28	0.073	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Sodium	910		56	8.4	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Vanadium	16		0.28	0.067	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1
Zinc	51		1.1	0.50	mg/Kg	☆	03/27/23 21:15	03/29/23 21:52	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/30/23 11:25	03/31/23 10:22	1

Method: SW846 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		03/30/23 11:25	03/31/23 11:36	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.019	0.010	mg/Kg	☆	03/28/23 15:10	03/29/23 08:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			03/28/23 16:10	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-1(5-10)-032223

Lab Sample ID: 500-231095-12

Date Collected: 03/22/23 02:30

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 84.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.015		0.015	0.0066	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Carbon disulfide	<0.0038		0.0038	0.00079	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00065	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Vinyl chloride	<0.0015		0.0015	0.00067	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	☆	03/22/23 17:27	03/26/23 22:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		75 - 131	03/22/23 17:27	03/26/23 22:35	1
Dibromofluoromethane (Surr)	96		75 - 126	03/22/23 17:27	03/26/23 22:35	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	03/22/23 17:27	03/26/23 22:35	1
Toluene-d8 (Surr)	89		75 - 124	03/22/23 17:27	03/26/23 22:35	1

Method: SW846 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	☆	03/30/23 08:01	03/30/23 19:41	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☆	03/30/23 08:01	03/30/23 19:41	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☆	03/30/23 08:01	03/30/23 19:41	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☆	03/30/23 08:01	03/30/23 19:41	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☆	03/30/23 08:01	03/30/23 19:41	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-1(5-10)-032223

Lab Sample ID: 500-231095-12

Date Collected: 03/22/23 02:30

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 84.1

Method: SW846 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	✳	03/30/23 08:01	03/30/23 19:41	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Acenaphthylene	0.016	J	0.039	0.0051	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Benzo[a]anthracene	0.010	J	0.039	0.0052	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Benzo[a]pyrene	0.024	J	0.039	0.0076	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Benzo[b]fluoranthene	0.026	J	0.039	0.0084	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Benzo[k]fluoranthene	0.011	J	0.039	0.011	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Chrysene	0.014	J	0.039	0.011	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Fluoranthene	0.0083	J	0.039	0.0072	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✳	03/30/23 08:01	03/30/23 19:41	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-1(5-10)-032223

Lab Sample ID: 500-231095-12

Date Collected: 03/22/23 02:30

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 84.1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.014	J	0.039	0.010	mg/Kg	☼	03/30/23 08:01	03/30/23 19:41	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	03/30/23 08:01	03/30/23 19:41	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	03/30/23 08:01	03/30/23 19:41	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	03/30/23 08:01	03/30/23 19:41	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	03/30/23 08:01	03/30/23 19:41	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	03/30/23 08:01	03/30/23 19:41	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	03/30/23 08:01	03/30/23 19:41	1
Phenanthrene	0.0086	J	0.039	0.0054	mg/Kg	☼	03/30/23 08:01	03/30/23 19:41	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	03/30/23 08:01	03/30/23 19:41	1
Pyrene	0.012	J	0.039	0.0078	mg/Kg	☼	03/30/23 08:01	03/30/23 19:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		31 - 143				03/30/23 08:01	03/30/23 19:41	1
2-Fluorobiphenyl (Surr)	104		43 - 145				03/30/23 08:01	03/30/23 19:41	1
2-Fluorophenol (Surr)	116		31 - 166				03/30/23 08:01	03/30/23 19:41	1
Nitrobenzene-d5 (Surr)	85		37 - 147				03/30/23 08:01	03/30/23 19:41	1
Phenol-d5 (Surr)	96		30 - 153				03/30/23 08:01	03/30/23 19:41	1
Terphenyl-d14 (Surr)	111		42 - 157				03/30/23 08:01	03/30/23 19:41	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/29/23 16:10	03/30/23 15:29	1
Barium	0.43	J	0.50	0.050	mg/L		03/29/23 16:10	03/30/23 15:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/23 16:10	03/30/23 15:29	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		03/29/23 16:10	03/30/23 15:29	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:29	1
Cobalt	0.012	J	0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:29	1
Copper	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:29	1
Iron	0.34	J	0.40	0.20	mg/L		03/29/23 16:10	03/30/23 15:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/23 16:10	03/30/23 15:29	1
Manganese	3.0		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:29	1
Nickel	0.013	J	0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:29	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/23 16:10	03/30/23 15:29	1
Silver	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:29	1
Zinc	<0.50		0.50	0.020	mg/L		03/29/23 16:10	03/30/23 15:29	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 06:15	03/31/23 13:44	1
Barium	0.064	J	0.50	0.050	mg/L		03/30/23 06:15	03/31/23 13:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 06:15	03/31/23 13:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 06:15	03/31/23 13:44	1
Chromium	0.014	J	0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:44	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:44	1
Copper	0.013	J	0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:44	1
Iron	11		0.40	0.20	mg/L		03/30/23 06:15	03/31/23 13:44	1
Lead	0.0089		0.0075	0.0075	mg/L		03/30/23 06:15	03/31/23 13:44	1
Manganese	0.12		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:44	1
Nickel	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:44	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 06:15	03/31/23 13:44	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-1(5-10)-032223

Lab Sample ID: 500-231095-12

Date Collected: 03/22/23 02:30

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 84.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:44	1
Zinc	0.027	J	0.50	0.020	mg/L		03/30/23 06:15	03/31/23 13:44	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5900		12	4.9	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Arsenic	8.2		0.59	0.20	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Barium	28		3.0	0.34	mg/Kg	☆	03/27/23 21:15	03/30/23 19:25	5
Beryllium	0.53		0.24	0.055	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Cadmium	0.24		0.12	0.021	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Calcium	78000	B	59	10	mg/Kg	☆	03/27/23 21:15	03/30/23 19:25	5
Chromium	10		0.59	0.29	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Cobalt	9.5		0.30	0.078	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Copper	24		0.59	0.17	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Iron	19000	B	59	31	mg/Kg	☆	03/27/23 21:15	03/30/23 19:25	5
Lead	13		0.30	0.14	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Magnesium	46000		30	15	mg/Kg	☆	03/27/23 21:15	03/30/23 19:25	5
Manganese	340	B	0.59	0.086	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Nickel	23		0.59	0.17	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Potassium	1300		30	11	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Selenium	<0.59		0.59	0.35	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Silver	0.22	J	0.30	0.077	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Sodium	320		59	8.8	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Thallium	0.72		0.59	0.30	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Vanadium	14		0.30	0.070	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1
Zinc	55		1.2	0.52	mg/Kg	☆	03/27/23 21:15	03/29/23 21:56	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/30/23 11:25	03/31/23 10:24	1

Method: SW846 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		03/30/23 11:25	03/31/23 11:38	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.019	0.0099	mg/Kg	☆	03/28/23 15:10	03/29/23 08:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.2	0.2	SU			03/28/23 16:15	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-1(10-15)-032223

Lab Sample ID: 500-231095-13

Date Collected: 03/22/23 02:35

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 85.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.012	J	0.014	0.0062	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Bromoform	<0.0014		0.0014	0.00041	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Bromomethane	<0.0035		0.0035	0.0013	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Carbon disulfide	<0.0035		0.0035	0.00074	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Chlorobenzene	<0.0014		0.0014	0.00052	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Chloroethane	<0.0035		0.0035	0.0011	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Chloroform	<0.0014		0.0014	0.00049	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Chloromethane	<0.0035		0.0035	0.0014	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Dibromochloromethane	<0.0014		0.0014	0.00046	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
1,2-Dichloroethane	<0.0035		0.0035	0.0011	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00050	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
2-Hexanone	<0.0035		0.0035	0.0011	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Methylene Chloride	<0.0035		0.0035	0.0014	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Methyl Ethyl Ketone	<0.0035		0.0035	0.0016	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
methyl isobutyl ketone	<0.0035		0.0035	0.0011	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
1,1,2,2-Tetrachloroethane	<0.0014	*3	0.0014	0.00045	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Tetrachloroethene	<0.0014		0.0014	0.00048	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1
Xylenes, Total	<0.0028		0.0028	0.00045	mg/Kg	✳	03/22/23 17:27	03/26/23 23:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127	*3	75 - 131	03/22/23 17:27	03/26/23 23:01	1
Dibromofluoromethane (Surr)	99		75 - 126	03/22/23 17:27	03/26/23 23:01	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/22/23 17:27	03/26/23 23:01	1
Toluene-d8 (Surr)	104		75 - 124	03/22/23 17:27	03/26/23 23:01	1

Method: SW846 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	✳	03/30/23 08:01	03/30/23 20:02	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
1,3-Dichlorobenzene	<0.19		0.19	0.041	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-1(10-15)-032223

Lab Sample ID: 500-231095-13

Date Collected: 03/22/23 02:35

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 85.6

Method: SW846 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	0.084	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
2,6-Dinitrotoluene	<0.19		0.19	0.072	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
2-Methylnaphthalene	<0.074		0.074	0.0068	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
3 & 4 Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Benzo[a]pyrene	<0.037		0.037	0.0071	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.067	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Carbazole	<0.19		0.19	0.092	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Chrysene	0.013	J	0.037	0.010	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0071	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Diethyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Fluoranthene	<0.037		0.037	0.0068	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	✳	03/30/23 08:01	03/30/23 20:02	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-1(10-15)-032223

Lab Sample ID: 500-231095-13

Date Collected: 03/22/23 02:35

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 85.6

Method: SW846 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	0.0095	mg/Kg	☼	03/30/23 08:01	03/30/23 20:02	1
Isophorone	<0.19		0.19	0.041	mg/Kg	☼	03/30/23 08:01	03/30/23 20:02	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	03/30/23 08:01	03/30/23 20:02	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	03/30/23 08:01	03/30/23 20:02	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	03/30/23 08:01	03/30/23 20:02	1
N-Nitrosodiphenylamine	<0.19		0.19	0.043	mg/Kg	☼	03/30/23 08:01	03/30/23 20:02	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	03/30/23 08:01	03/30/23 20:02	1
Phenanthrene	0.0080	J	0.037	0.0051	mg/Kg	☼	03/30/23 08:01	03/30/23 20:02	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	03/30/23 08:01	03/30/23 20:02	1
Pyrene	0.013	J	0.037	0.0073	mg/Kg	☼	03/30/23 08:01	03/30/23 20:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82		31 - 143				03/30/23 08:01	03/30/23 20:02	1
2-Fluorobiphenyl (Surr)	96		43 - 145				03/30/23 08:01	03/30/23 20:02	1
2-Fluorophenol (Surr)	106		31 - 166				03/30/23 08:01	03/30/23 20:02	1
Nitrobenzene-d5 (Surr)	77		37 - 147				03/30/23 08:01	03/30/23 20:02	1
Phenol-d5 (Surr)	106		30 - 153				03/30/23 08:01	03/30/23 20:02	1
Terphenyl-d14 (Surr)	119		42 - 157				03/30/23 08:01	03/30/23 20:02	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/29/23 16:10	03/30/23 15:32	1
Barium	0.31	J	0.50	0.050	mg/L		03/29/23 16:10	03/30/23 15:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/23 16:10	03/30/23 15:32	1
Cadmium	0.0032	J	0.0050	0.0020	mg/L		03/29/23 16:10	03/30/23 15:32	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:32	1
Cobalt	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:32	1
Copper	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:32	1
Iron	0.27	J	0.40	0.20	mg/L		03/29/23 16:10	03/30/23 15:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/23 16:10	03/30/23 15:32	1
Manganese	2.2		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:32	1
Nickel	0.012	J	0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:32	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/23 16:10	03/30/23 15:32	1
Silver	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:32	1
Zinc	<0.50		0.50	0.020	mg/L		03/29/23 16:10	03/30/23 15:32	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		03/30/23 06:15	03/31/23 13:47	1
Barium	0.11	J	0.50	0.050	mg/L		03/30/23 06:15	03/31/23 13:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 06:15	03/31/23 13:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 06:15	03/31/23 13:47	1
Chromium	0.045		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:47	1
Cobalt	0.022	J	0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:47	1
Copper	0.048		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:47	1
Iron	36		0.40	0.20	mg/L		03/30/23 06:15	03/31/23 13:47	1
Lead	0.031		0.0075	0.0075	mg/L		03/30/23 06:15	03/31/23 13:47	1
Manganese	0.28		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:47	1
Nickel	0.044		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:47	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 06:15	03/31/23 13:47	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-1(10-15)-032223

Lab Sample ID: 500-231095-13

Date Collected: 03/22/23 02:35

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 85.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:47	1
Zinc	0.10	J	0.50	0.020	mg/L		03/30/23 06:15	03/31/23 13:47	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5400		11	4.7	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Antimony	0.33	J	1.1	0.22	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Arsenic	8.2		0.57	0.20	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Barium	20		2.9	0.33	mg/Kg	☆	03/27/23 21:15	03/30/23 19:34	5
Beryllium	0.49		0.23	0.054	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Cadmium	0.21		0.11	0.021	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Calcium	72000	B	57	9.7	mg/Kg	☆	03/27/23 21:15	03/30/23 19:34	5
Chromium	9.6		0.57	0.28	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Cobalt	11		0.29	0.075	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Copper	23		0.57	0.16	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Iron	19000	B	57	30	mg/Kg	☆	03/27/23 21:15	03/30/23 19:34	5
Lead	13		0.29	0.13	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Magnesium	42000		29	14	mg/Kg	☆	03/27/23 21:15	03/30/23 19:34	5
Manganese	330	B	0.57	0.083	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Nickel	25		0.57	0.17	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Potassium	1200		29	10	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Silver	0.24	J	0.29	0.074	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Sodium	260		57	8.5	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Thallium	0.56	J	0.57	0.29	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Vanadium	13		0.29	0.068	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1
Zinc	51		1.1	0.50	mg/Kg	☆	03/27/23 21:15	03/29/23 21:59	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/30/23 11:25	03/31/23 10:42	1

Method: SW846 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		03/30/23 11:25	03/31/23 11:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.017	0.0092	mg/Kg	☆	03/28/23 15:10	03/29/23 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			03/28/23 16:17	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-2(0-5)-032223

Lab Sample ID: 500-231095-14

Date Collected: 03/22/23 03:00

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 83.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.035		0.015	0.0065	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Carbon disulfide	<0.0038		0.0038	0.00078	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Vinyl chloride	<0.0015		0.0015	0.00067	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☆	03/22/23 17:27	03/26/23 23:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		75 - 131	03/22/23 17:27	03/26/23 23:27	1
Dibromofluoromethane (Surr)	98		75 - 126	03/22/23 17:27	03/26/23 23:27	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 134	03/22/23 17:27	03/26/23 23:27	1
Toluene-d8 (Surr)	90		75 - 124	03/22/23 17:27	03/26/23 23:27	1

Method: SW846 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	☆	03/30/23 08:01	03/30/23 20:24	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☆	03/30/23 08:01	03/30/23 20:24	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	03/30/23 08:01	03/30/23 20:24	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☆	03/30/23 08:01	03/30/23 20:24	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	03/30/23 08:01	03/30/23 20:24	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-2(0-5)-032223

Lab Sample ID: 500-231095-14

Date Collected: 03/22/23 03:00

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 83.6

Method: SW846 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	✳	03/30/23 08:01	03/30/23 20:24	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Benzo[a]anthracene	0.0084	J	0.038	0.0051	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Benzo[a]pyrene	0.013	J	0.038	0.0074	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Benzo[b]fluoranthene	0.023	J	0.038	0.0082	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Chrysene	0.015	J	0.038	0.010	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Fluoranthene	0.014	J	0.038	0.0071	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	03/30/23 08:01	03/30/23 20:24	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-2(0-5)-032223

Lab Sample ID: 500-231095-14

Date Collected: 03/22/23 03:00

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 83.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.011	J	0.038	0.0099	mg/Kg	☼	03/30/23 08:01	03/30/23 20:24	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	03/30/23 08:01	03/30/23 20:24	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	03/30/23 08:01	03/30/23 20:24	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	03/30/23 08:01	03/30/23 20:24	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	03/30/23 08:01	03/30/23 20:24	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	03/30/23 08:01	03/30/23 20:24	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	03/30/23 08:01	03/30/23 20:24	1
Phenanthrene	0.010	J	0.038	0.0053	mg/Kg	☼	03/30/23 08:01	03/30/23 20:24	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	03/30/23 08:01	03/30/23 20:24	1
Pyrene	0.016	J	0.038	0.0076	mg/Kg	☼	03/30/23 08:01	03/30/23 20:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	93		31 - 143				03/30/23 08:01	03/30/23 20:24	1
2-Fluorobiphenyl (Surr)	109		43 - 145				03/30/23 08:01	03/30/23 20:24	1
2-Fluorophenol (Surr)	126		31 - 166				03/30/23 08:01	03/30/23 20:24	1
Nitrobenzene-d5 (Surr)	91		37 - 147				03/30/23 08:01	03/30/23 20:24	1
Phenol-d5 (Surr)	118		30 - 153				03/30/23 08:01	03/30/23 20:24	1
Terphenyl-d14 (Surr)	127		42 - 157				03/30/23 08:01	03/30/23 20:24	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		03/29/23 16:10	03/30/23 15:36	1
Barium	0.76		0.50	0.050	mg/L		03/29/23 16:10	03/30/23 15:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/23 16:10	03/30/23 15:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/29/23 16:10	03/30/23 15:36	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:36	1
Cobalt	0.011	J	0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:36	1
Copper	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:36	1
Iron	<0.40		0.40	0.20	mg/L		03/29/23 16:10	03/30/23 15:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/23 16:10	03/30/23 15:36	1
Manganese	4.5		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:36	1
Nickel	0.012	J	0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:36	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/23 16:10	03/30/23 15:36	1
Silver	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:36	1
Zinc	<0.50		0.50	0.020	mg/L		03/29/23 16:10	03/30/23 15:36	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.037	J	0.050	0.010	mg/L		03/30/23 06:15	03/31/23 13:50	1
Barium	0.44	J	0.50	0.050	mg/L		03/30/23 06:15	03/31/23 13:50	1
Beryllium	0.0048		0.0040	0.0040	mg/L		03/30/23 06:15	03/31/23 13:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 06:15	03/31/23 13:50	1
Chromium	0.099		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:50	1
Cobalt	0.043		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:50	1
Copper	0.090		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:50	1
Iron	93		0.40	0.20	mg/L		03/30/23 06:15	03/31/23 13:50	1
Lead	0.070		0.0075	0.0075	mg/L		03/30/23 06:15	03/31/23 13:50	1
Manganese	1.1		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:50	1
Nickel	0.10		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:50	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 06:15	03/31/23 13:50	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-2(0-5)-032223

Lab Sample ID: 500-231095-14

Date Collected: 03/22/23 03:00

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 83.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:50	1
Zinc	0.23	J	0.50	0.020	mg/L		03/30/23 06:15	03/31/23 13:50	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		11	4.7	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Antimony	0.30	J	1.1	0.22	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Arsenic	8.2		0.57	0.20	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Barium	79		0.57	0.065	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Beryllium	0.72		0.23	0.054	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Cadmium	0.26		0.11	0.021	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Calcium	64000	B	57	9.7	mg/Kg	☆	03/27/23 21:15	03/30/23 19:38	5
Chromium	15		0.57	0.28	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Cobalt	12		0.29	0.075	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Copper	21		0.57	0.16	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Iron	20000	B	11	6.0	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Lead	22		0.29	0.13	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Magnesium	28000		5.7	2.8	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Manganese	380	B	0.57	0.083	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Nickel	29		0.57	0.17	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Potassium	1500		29	10	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Silver	0.32		0.29	0.074	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Sodium	1800		57	8.5	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Thallium	0.36	J	0.57	0.29	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Vanadium	21		0.29	0.068	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1
Zinc	58		1.1	0.50	mg/Kg	☆	03/27/23 21:15	03/29/23 22:02	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/30/23 11:25	03/31/23 10:45	1

Method: SW846 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		03/30/23 11:25	03/31/23 11:42	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.018	0.0097	mg/Kg	☆	03/28/23 15:10	03/29/23 08:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			03/28/23 16:20	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-2(5-10)-032223

Lab Sample ID: 500-231095-15

Date Collected: 03/22/23 03:05

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 83.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.10		0.016	0.0068	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	✳	03/22/23 17:27	03/26/23 23:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		75 - 131	03/22/23 17:27	03/26/23 23:51	1
Dibromofluoromethane (Surr)	95		75 - 126	03/22/23 17:27	03/26/23 23:51	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/22/23 17:27	03/26/23 23:51	1
Toluene-d8 (Surr)	89		75 - 124	03/22/23 17:27	03/26/23 23:51	1

Method: SW846 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	✳	03/30/23 08:01	03/30/23 20:45	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	03/30/23 08:01	03/30/23 20:45	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✳	03/30/23 08:01	03/30/23 20:45	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✳	03/30/23 08:01	03/30/23 20:45	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	✳	03/30/23 08:01	03/30/23 20:45	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-2(5-10)-032223

Lab Sample ID: 500-231095-15

Date Collected: 03/22/23 03:05

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 83.7

Method: SW846 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	☆	03/30/23 08:01	03/30/23 20:45	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☆	03/30/23 08:01	03/30/23 20:45	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-2(5-10)-032223

Lab Sample ID: 500-231095-15

Date Collected: 03/22/23 03:05

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 83.7

Method: SW846 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	☼	03/30/23 08:01	03/30/23 20:45	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	03/30/23 08:01	03/30/23 20:45	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	03/30/23 08:01	03/30/23 20:45	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	03/30/23 08:01	03/30/23 20:45	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	03/30/23 08:01	03/30/23 20:45	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	03/30/23 08:01	03/30/23 20:45	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	03/30/23 08:01	03/30/23 20:45	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	03/30/23 08:01	03/30/23 20:45	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	03/30/23 08:01	03/30/23 20:45	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	03/30/23 08:01	03/30/23 20:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	78		31 - 143	03/30/23 08:01	03/30/23 20:45	1
2-Fluorobiphenyl (Surr)	84		43 - 145	03/30/23 08:01	03/30/23 20:45	1
2-Fluorophenol (Surr)	114		31 - 166	03/30/23 08:01	03/30/23 20:45	1
Nitrobenzene-d5 (Surr)	70		37 - 147	03/30/23 08:01	03/30/23 20:45	1
Phenol-d5 (Surr)	98		30 - 153	03/30/23 08:01	03/30/23 20:45	1
Terphenyl-d14 (Surr)	116		42 - 157	03/30/23 08:01	03/30/23 20:45	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/29/23 16:10	03/30/23 15:39	1
Barium	0.60		0.50	0.050	mg/L		03/29/23 16:10	03/30/23 15:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/23 16:10	03/30/23 15:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/29/23 16:10	03/30/23 15:39	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:39	1
Cobalt	0.015 J		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:39	1
Copper	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:39	1
Iron	<0.40		0.40	0.20	mg/L		03/29/23 16:10	03/30/23 15:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/23 16:10	03/30/23 15:39	1
Manganese	3.6		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:39	1
Nickel	0.022 J		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:39	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/23 16:10	03/30/23 15:39	1
Silver	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:39	1
Zinc	<0.50		0.50	0.020	mg/L		03/29/23 16:10	03/30/23 15:39	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 06:15	03/31/23 13:53	1
Barium	<0.50		0.50	0.050	mg/L		03/30/23 06:15	03/31/23 13:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 06:15	03/31/23 13:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 06:15	03/31/23 13:53	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:53	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:53	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:53	1
Iron	0.69		0.40	0.20	mg/L		03/30/23 06:15	03/31/23 13:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 06:15	03/31/23 13:53	1
Manganese	0.051		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:53	1
Nickel	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:53	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 06:15	03/31/23 13:53	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: 55-2(5-10)-032223

Lab Sample ID: 500-231095-15

Date Collected: 03/22/23 03:05

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 83.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:53	1
Zinc	<0.50		0.50	0.020	mg/L		03/30/23 06:15	03/31/23 13:53	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8000		11	4.7	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Antimony	<1.1		1.1	0.22	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Arsenic	6.9		0.57	0.20	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Barium	59		2.9	0.33	mg/Kg	☆	03/27/23 21:15	03/30/23 19:41	5
Beryllium	0.60		0.23	0.054	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Cadmium	0.22		0.11	0.021	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Calcium	77000	B	57	9.7	mg/Kg	☆	03/27/23 21:15	03/30/23 19:41	5
Chromium	12		0.57	0.28	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Cobalt	9.4		0.29	0.075	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Copper	18		0.57	0.16	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Iron	18000	B	57	30	mg/Kg	☆	03/27/23 21:15	03/30/23 19:41	5
Lead	11		0.29	0.13	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Magnesium	40000		29	14	mg/Kg	☆	03/27/23 21:15	03/30/23 19:41	5
Manganese	370	B	0.57	0.083	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Nickel	22		0.57	0.17	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Potassium	1300		29	10	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Silver	0.26	J	0.29	0.074	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Sodium	690		57	8.5	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Thallium	<0.57		0.57	0.29	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Vanadium	19		0.29	0.068	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1
Zinc	45		1.1	0.50	mg/Kg	☆	03/27/23 21:15	03/29/23 22:06	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/30/23 11:25	03/31/23 10:47	1

Method: SW846 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		03/30/23 11:25	03/31/23 11:44	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018		0.018	0.0097	mg/Kg	☆	03/28/23 15:10	03/29/23 09:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.2	0.2	SU			03/28/23 16:22	1

Definitions/Glossary

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	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
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery exceeds control 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
^-	Continuing Calibration Verification (CCV) is outside acceptance limits, low biased.
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 exceeds control 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record 640938




Environment Testing
America

Address _____

Regulatory Program. DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>A. Slagge</u>		Site Contact: <u>C. Pene</u>		Date: <u>3-21-23 to 3-22-23</u>		COC No		
Company Name: <u>Western Solutions</u>		Tel/Email		Lab Contact: <u>R. Wright</u>		Carrier		1 of 2 COCs		
Address: <u>300 Knightsbridge Hwy, Nagsco</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS/MSD (Y/N) <u>VOCs</u> <u>SVOCs</u> <u>Total Metals</u> <u>Trace/SLP Metals</u> <u>pH</u>		 500-231095 COC		Sampler		Job / SDG No <u>500-231095</u>
City/State/Zip: <u>Chesham, IL 60069</u>								For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>		
Phone								Sample Specific Notes		
Fax										
Project Name: <u>DDT 051</u>										
Site: <u>I-80</u>										
PO#										

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Notes
1 M-23 (0-5) - 032123	3-21-23	2205	G	S	6			X X X X X
2 M-23 (5-10) - 032123		2210						
3 M-23 (10-15) - 032123		2215						
4 M-22 (0-5) - 032123		2240						
5 M-22 (5-10) - 032123		2245						
6 M-21 (0-5) - 032123		2310						
7 M-20 (0-5) - 032123		2325						
8 M-19 (0-5) - 032123		2350						
9 M-18 (0-5) - 032223	3-22-23	0025						
10 RC-4 (0-5) - 032223		0050						

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months	
---	--	--	--

Special Instructions/QC Requirements & Comments: 2.8 → 1.7, 3.9 → 2.8

Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____	
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>3-21-23/1215</u>		Received by: <u>[Signature]</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>CEVA</u>		Date/Time: <u>3-22-23/1540</u>		Received by: <u>[Signature]</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>CEVA</u>		Date/Time: <u>3-22-23/1540</u>		Received in Laboratory by: <u>[Signature]</u>	



Chain of Custody Record 640939



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager <i>A. Slegers</i>		Site Contact <i>C. Pave</i>		Date <i>3-22-23</i>		COC No		
Company Name <i>Weston Solutions</i>		Tel/Email		Lab Contact <i>R Wright</i>		Carrier		<i>2</i> of <i>2</i> COCs		
Address <i>300 Knightsbridge Parkway Ste 200</i>		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SVOCs Total Metals TCLP / SPCP Metals pH				Sampler		
City/State/Zip <i>Chandler, AZ 85008</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS						For Lab Use Only		
Phone		TAT if different from Below _____						Walk-in Client		
Fax		<input type="checkbox"/> 2 weeks						Lab Sampling		
Project Name <i>IDOT OSI</i>		<input type="checkbox"/> 1 week						Job / SDG No		
Site <i>2-80</i>		<input type="checkbox"/> 2 days		<i>500-231095</i>						
P O #		<input type="checkbox"/> 1 day								
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes			
<i>11 55-1(0-5)-032223</i>		<i>3-22-23</i>	<i>0225</i>	<i>G</i>	<i>S</i>	<i>6</i>				
<i>12 55-1(5-10)-032223</i>		<i> </i>	<i>0230</i>	<i> </i>	<i> </i>	<i> </i>				
<i>13 55-1(10-15)-032223</i>		<i> </i>	<i>0235</i>	<i> </i>	<i> </i>	<i> </i>				
<i>14 55-2(0-5)-032223</i>		<i> </i>	<i>0300</i>	<i> </i>	<i> </i>	<i> </i>				
<i>15 55-2(5-10)-032223</i>		<i> </i>	<i>0305</i>	<i> </i>	<i> </i>	<i> </i>				
<i>16 55-2(10-15)-032223</i>		<i> </i>	<i>0320</i>	<i>G</i>	<i>W</i>	<i>6</i>				
<i>17 55-2-032223D</i>		<i> </i>	<i>0320</i>	<i>G</i>	<i>W</i>	<i>6</i>				
<i>18 Trip Blnk</i>		<i>-</i>	<i>-</i>	<i>-</i>	<i>W</i>	<i>2</i>				
<i>99 55-2(10-15)-032223</i>							Added by <i>BEA</i> Discard <i>SS 3/22/23</i> per client			
<i>99 3/22/23</i>										
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____										
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments:										
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____		Corr'd _____		Therm ID No _____		
Relinquished by <i>[Signature]</i>		Company <i>WS</i>		Date/Time <i>3-22-23/1215</i>		Received by <i>[Signature]</i>		Company <i>EETA</i>		
Relinquished by <i>[Signature]</i>		Company <i>EETA</i>		Date/Time <i>3-22-23/1546</i>		Received by <i>[Signature]</i>		Company <i>EETA</i>		
Relinquished by <i>[Signature]</i>		Company _____		Date/Time _____		Received by _____		Company <i>EETA</i>		



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/10/2023 11:04:33 AM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231348-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231348-1	Row-18(10-15)-032823	Solid	03/28/23 15:00	03/28/23 16:57
500-231348-2	Row-19(0-5)-032823	Solid	03/28/23 15:20	03/28/23 16:57
500-231348-3	Row-19(5-10)-032823	Solid	03/28/23 15:25	03/28/23 16:57
500-231348-4	Row-19(10-15)-032823	Solid	03/28/23 15:30	03/28/23 16:57
500-231348-5	Row-19(10-15)-032823D	Solid	03/28/23 15:30	03/28/23 16:57
500-231348-6	Row-20(0-5)-032823	Solid	03/28/23 15:45	03/28/23 16:57
500-231348-7	Row-20(5-10)-032823	Solid	03/28/23 15:50	03/28/23 16:57
500-231348-8	Row-20(10-15)-032823	Solid	03/28/23 15:55	03/28/23 16:57

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(0-5)-032823

Lab Sample ID: 500-231348-6

Date Collected: 03/28/23 15:45

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.013	J	0.015	0.0067	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Carbon disulfide	<0.0038		0.0038	0.00080	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Chlorobenzene	<0.0015		0.0015	0.00057	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	✱	03/28/23 17:48	04/04/23 05:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		75 - 131	03/28/23 17:48	04/04/23 05:46	1
Dibromofluoromethane (Surr)	93		75 - 126	03/28/23 17:48	04/04/23 05:46	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/28/23 17:48	04/04/23 05:46	1
Toluene-d8 (Surr)	91		75 - 124	03/28/23 17:48	04/04/23 05:46	1

Method: SW846 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	✱	04/05/23 14:10	04/06/23 22:09	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✱	04/05/23 14:10	04/06/23 22:09	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✱	04/05/23 14:10	04/06/23 22:09	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✱	04/05/23 14:10	04/06/23 22:09	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✱	04/05/23 14:10	04/06/23 22:09	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(0-5)-032823

Lab Sample ID: 500-231348-6

Date Collected: 03/28/23 15:45

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.9

Method: SW846 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	✳	04/05/23 14:10	04/06/23 22:09	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Benzo[g,h,i]perylene	0.012	J	0.038	0.012	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Fluoranthene	0.0078	J	0.038	0.0071	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	04/05/23 14:10	04/06/23 22:09	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(0-5)-032823

Lab Sample ID: 500-231348-6

Date Collected: 03/28/23 15:45

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.9

Method: SW846 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	☼	04/05/23 14:10	04/06/23 22:09	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1
Phenanthrene	0.020	J	0.038	0.0053	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1
Pyrene	0.0089	J	0.038	0.0076	mg/Kg	☼	04/05/23 14:10	04/06/23 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	48		31 - 143	04/05/23 14:10	04/06/23 22:09	1
2-Fluorobiphenyl (Surr)	60		43 - 145	04/05/23 14:10	04/06/23 22:09	1
2-Fluorophenol (Surr)	55		31 - 166	04/05/23 14:10	04/06/23 22:09	1
Nitrobenzene-d5 (Surr)	54		37 - 147	04/05/23 14:10	04/06/23 22:09	1
Phenol-d5 (Surr)	58		30 - 153	04/05/23 14:10	04/06/23 22:09	1
Terphenyl-d14 (Surr)	70		42 - 157	04/05/23 14:10	04/06/23 22:09	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/23 17:09	04/05/23 17:01	1
Barium	0.44	J	0.50	0.050	mg/L		04/04/23 17:09	04/05/23 17:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/23 17:09	04/05/23 17:01	1
Cadmium	0.0030	J	0.0050	0.0020	mg/L		04/04/23 17:09	04/05/23 17:01	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 17:01	1
Cobalt	0.050		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 17:01	1
Copper	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 17:01	1
Iron	<0.40		0.40	0.20	mg/L		04/04/23 17:09	04/05/23 17:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/23 17:09	04/05/23 17:01	1
Manganese	6.2		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 17:01	1
Nickel	0.028		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 17:01	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:09	04/05/23 17:01	1
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 17:01	1
Zinc	<0.50		0.50	0.020	mg/L		04/04/23 17:09	04/05/23 17:01	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.070		0.050	0.010	mg/L		04/04/23 17:10	04/05/23 14:11	1
Barium	0.64		0.50	0.050	mg/L		04/04/23 17:10	04/05/23 14:11	1
Beryllium	0.0085		0.0040	0.0040	mg/L		04/04/23 17:10	04/05/23 14:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:10	04/05/23 14:11	1
Chromium	0.16		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:11	1
Cobalt	0.079		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:11	1
Copper	0.21		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:11	1
Iron	170		0.40	0.20	mg/L		04/04/23 17:10	04/05/23 14:11	1
Lead	0.12		0.0075	0.0075	mg/L		04/04/23 17:10	04/05/23 14:11	1
Manganese	2.1		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:11	1
Nickel	0.20		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:11	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:10	04/05/23 14:11	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(0-5)-032823

Lab Sample ID: 500-231348-6

Date Collected: 03/28/23 15:45

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:11	1
Zinc	0.48	J ^+	0.50	0.020	mg/L		04/04/23 17:10	04/05/23 14:11	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		11	4.5	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Antimony	<1.1		1.1	0.22	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Arsenic	6.5		0.56	0.19	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Barium	53	B	0.56	0.063	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Beryllium	0.69	B	0.22	0.052	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Cadmium	0.20	B	0.11	0.020	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Calcium	70000	B	56	9.4	mg/Kg	☆	04/05/23 09:46	04/07/23 14:07	5
Chromium	15		0.56	0.28	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Cobalt	11		0.28	0.073	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Copper	19		0.56	0.16	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Iron	18000		11	5.8	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Lead	14		0.28	0.13	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Magnesium	27000		5.6	2.8	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Manganese	380	B	0.56	0.081	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Nickel	27		0.56	0.16	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Potassium	2200		28	9.8	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Silver	0.36		0.28	0.072	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Sodium	1200		56	8.2	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Vanadium	21		0.28	0.066	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1
Zinc	53		1.1	0.49	mg/Kg	☆	04/05/23 09:46	04/06/23 18:20	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/04/23 16:50	04/05/23 11:49	1

Method: SW846 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		04/04/23 16:50	04/05/23 09:55	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.018	0.0096	mg/Kg	☆	03/31/23 14:20	04/03/23 12:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/03/23 17:43	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(5-10)-032823

Lab Sample ID: 500-231348-7

Date Collected: 03/28/23 15:50

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.012	J	0.016	0.0071	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Carbon disulfide	<0.0041		0.0041	0.00084	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	✳	03/28/23 17:48	04/04/23 06:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	03/28/23 17:48	04/04/23 06:12	1
Dibromofluoromethane (Surr)	93		75 - 126	03/28/23 17:48	04/04/23 06:12	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	03/28/23 17:48	04/04/23 06:12	1
Toluene-d8 (Surr)	91		75 - 124	03/28/23 17:48	04/04/23 06:12	1

Method: SW846 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	✳	04/05/23 14:10	04/06/23 20:40	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/05/23 14:10	04/06/23 20:40	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(5-10)-032823

Lab Sample ID: 500-231348-7

Date Collected: 03/28/23 15:50

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.1

Method: SW846 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	☼	04/05/23 14:10	04/06/23 20:40	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(5-10)-032823

Lab Sample ID: 500-231348-7

Date Collected: 03/28/23 15:50

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.1

Method: SW846 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	☼	04/05/23 14:10	04/06/23 20:40	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1
Pyrene	<0.037		0.037	0.0075	mg/Kg	☼	04/05/23 14:10	04/06/23 20:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	62		31 - 143	04/05/23 14:10	04/06/23 20:40	1
2-Fluorobiphenyl (Surr)	73		43 - 145	04/05/23 14:10	04/06/23 20:40	1
2-Fluorophenol (Surr)	69		31 - 166	04/05/23 14:10	04/06/23 20:40	1
Nitrobenzene-d5 (Surr)	68		37 - 147	04/05/23 14:10	04/06/23 20:40	1
Phenol-d5 (Surr)	75		30 - 153	04/05/23 14:10	04/06/23 20:40	1
Terphenyl-d14 (Surr)	85		42 - 157	04/05/23 14:10	04/06/23 20:40	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/23 17:09	04/05/23 16:06	1
Barium	0.64		0.50	0.050	mg/L		04/04/23 17:09	04/05/23 16:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/23 17:09	04/05/23 16:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:09	04/05/23 16:06	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:06	1
Cobalt	0.010	J	0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:06	1
Copper	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:06	1
Iron	<0.40		0.40	0.20	mg/L		04/04/23 17:09	04/05/23 16:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/23 17:09	04/05/23 16:06	1
Manganese	4.5		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:06	1
Nickel	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:06	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:09	04/05/23 16:06	1
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:06	1
Zinc	<0.50		0.50	0.020	mg/L		04/04/23 17:09	04/05/23 16:06	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.036	J	0.050	0.010	mg/L		04/04/23 17:10	04/05/23 14:14	1
Barium	0.43	J	0.50	0.050	mg/L		04/04/23 17:10	04/05/23 14:14	1
Beryllium	0.0048		0.0040	0.0040	mg/L		04/04/23 17:10	04/05/23 14:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:10	04/05/23 14:14	1
Chromium	0.095		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:14	1
Cobalt	0.038		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:14	1
Copper	0.087		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:14	1
Iron	93		0.40	0.20	mg/L		04/04/23 17:10	04/05/23 14:14	1
Lead	0.050		0.0075	0.0075	mg/L		04/04/23 17:10	04/05/23 14:14	1
Manganese	0.96		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:14	1
Nickel	0.097		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:14	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:10	04/05/23 14:14	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(5-10)-032823

Lab Sample ID: 500-231348-7

Date Collected: 03/28/23 15:50

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 83.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:14	1
Zinc	0.22	J ^+	0.50	0.020	mg/L		04/04/23 17:10	04/05/23 14:14	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		11	4.6	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Antimony	0.22	J	1.1	0.22	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Arsenic	7.4		0.56	0.19	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Barium	100	B	0.56	0.064	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Beryllium	0.83	B	0.23	0.053	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Cadmium	0.27	B	0.11	0.020	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Calcium	8500	B	11	1.9	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Chromium	18		0.56	0.28	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Cobalt	13		0.28	0.074	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Copper	17		0.56	0.16	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Iron	19000		11	5.9	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Lead	15		0.28	0.13	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Magnesium	7000		5.6	2.8	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Manganese	200	B	0.56	0.082	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Nickel	25		0.56	0.16	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Potassium	1200		28	10	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Silver	0.57		0.28	0.073	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Sodium	530		56	8.3	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Vanadium	31		0.28	0.067	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1
Zinc	62		1.1	0.49	mg/Kg	☆	04/05/23 09:46	04/06/23 18:23	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/04/23 16:50	04/05/23 10:59	1

Method: SW846 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		04/04/23 16:50	04/05/23 09:58	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.019	0.010	mg/Kg	☆	03/31/23 14:20	04/03/23 12:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/03/23 17:45	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(10-15)-032823

Lab Sample ID: 500-231348-8

Date Collected: 03/28/23 15:55

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 84.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0064	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Benzene	<0.0015		0.0015	0.00037	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Bromomethane	<0.0036		0.0036	0.0014	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Carbon disulfide	<0.0036		0.0036	0.00076	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Carbon tetrachloride	<0.0015		0.0015	0.00042	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Chlorobenzene	<0.0015		0.0015	0.00054	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Chloromethane	<0.0036		0.0036	0.0015	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00044	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
1,1-Dichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
1,1-Dichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Ethylbenzene	<0.0015		0.0015	0.00070	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Styrene	<0.0015		0.0015	0.00044	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00065	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Trichloroethene	<0.0015		0.0015	0.00049	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Vinyl chloride	<0.0015		0.0015	0.00065	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1
Xylenes, Total	<0.0029		0.0029	0.00047	mg/Kg	☆	03/28/23 17:48	04/04/23 06:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 131	03/28/23 17:48	04/04/23 06:38	1
Dibromofluoromethane (Surr)	93		75 - 126	03/28/23 17:48	04/04/23 06:38	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	03/28/23 17:48	04/04/23 06:38	1
Toluene-d8 (Surr)	90		75 - 124	03/28/23 17:48	04/04/23 06:38	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.28		0.28	0.060	mg/Kg	☆	04/05/23 14:10	04/06/23 22:31	1
1,2-Dichlorobenzene	<0.28		0.28	0.067	mg/Kg	☆	04/05/23 14:10	04/06/23 22:31	1
1,3-Dichlorobenzene	<0.28		0.28	0.063	mg/Kg	☆	04/05/23 14:10	04/06/23 22:31	1
1,4-Dichlorobenzene	<0.28		0.28	0.072	mg/Kg	☆	04/05/23 14:10	04/06/23 22:31	1
2,2'-oxybis[1-chloropropane]	<0.28		0.28	0.065	mg/Kg	☆	04/05/23 14:10	04/06/23 22:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(10-15)-032823

Lab Sample ID: 500-231348-8

Date Collected: 03/28/23 15:55

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 84.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.56		0.56	0.13	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2,4,6-Trichlorophenol	<0.56		0.56	0.19	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2,4-Dichlorophenol	<0.56		0.56	0.13	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2,4-Dimethylphenol	<0.56		0.56	0.21	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2,4-Dinitrophenol	<1.1		1.1	0.99	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2,4-Dinitrotoluene	<0.28		0.28	0.089	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2,6-Dinitrotoluene	<0.28		0.28	0.11	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2-Chloronaphthalene	<0.28		0.28	0.062	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2-Chlorophenol	<0.28		0.28	0.096	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2-Methylnaphthalene	<0.11		0.11	0.010	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2-Methylphenol	<0.28		0.28	0.090	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2-Nitroaniline	<0.28		0.28	0.075	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
2-Nitrophenol	<0.56		0.56	0.13	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
3 & 4 Methylphenol	<0.28		0.28	0.094	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
3,3'-Dichlorobenzidine	<0.28		0.28	0.078	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
3-Nitroaniline	<0.56		0.56	0.17	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
4,6-Dinitro-2-methylphenol	<1.1		1.1	0.45	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
4-Bromophenyl phenyl ether	<0.28		0.28	0.074	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
4-Chloro-3-methylphenol	<0.56		0.56	0.19	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
4-Chloroaniline	<1.1		1.1	0.26	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
4-Chlorophenyl phenyl ether	<0.28		0.28	0.065	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
4-Nitroaniline	<0.56		0.56	0.23	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
4-Nitrophenol	<1.1		1.1	0.53	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Acenaphthene	<0.056		0.056	0.010	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Acenaphthylene	<0.056		0.056	0.0074	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Anthracene	<0.056		0.056	0.0094	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Benzo[a]anthracene	<0.056		0.056	0.0075	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Benzo[a]pyrene	<0.056		0.056	0.011	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Benzo[b]fluoranthene	<0.056		0.056	0.012	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Benzo[g,h,i]perylene	<0.056		0.056	0.018	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Benzo[k]fluoranthene	<0.056		0.056	0.017	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Bis(2-chloroethoxy)methane	<0.28		0.28	0.057	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Bis(2-chloroethyl)ether	<0.28		0.28	0.084	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Bis(2-ethylhexyl) phthalate	<0.28		0.28	0.10	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Butyl benzyl phthalate	<0.28		0.28	0.11	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Carbazole	<0.28		0.28	0.14	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Chrysene	<0.056		0.056	0.015	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Dibenz(a,h)anthracene	<0.056		0.056	0.011	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Dibenzofuran	<0.28		0.28	0.066	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Diethyl phthalate	<0.28		0.28	0.095	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Dimethyl phthalate	<0.28		0.28	0.073	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Di-n-butyl phthalate	<0.28		0.28	0.085	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Di-n-octyl phthalate	<0.28		0.28	0.091	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Fluoranthene	<0.056		0.056	0.010	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Fluorene	<0.056		0.056	0.0079	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Hexachlorobenzene	<0.11		0.11	0.013	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Hexachlorobutadiene	<0.28		0.28	0.088	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Hexachlorocyclopentadiene	<1.1		1.1	0.32	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1
Hexachloroethane	<0.28		0.28	0.085	mg/Kg	✳	04/05/23 14:10	04/06/23 22:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(10-15)-032823

Lab Sample ID: 500-231348-8

Date Collected: 03/28/23 15:55

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 84.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.056		0.056	0.015	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
Isophorone	<0.28		0.28	0.063	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
Naphthalene	<0.056		0.056	0.0086	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
Nitrobenzene	<0.056		0.056	0.014	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
N-Nitrosodi-n-propylamine	<0.11		0.11	0.069	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
N-Nitrosodiphenylamine	<0.28		0.28	0.066	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
Pentachlorophenol	<1.1		1.1	0.90	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
Phenanthrene	<0.056		0.056	0.0078	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
Phenol	<0.28		0.28	0.12	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1
Pyrene	<0.056		0.056	0.011	mg/Kg	☼	04/05/23 14:10	04/06/23 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	67		31 - 143	04/05/23 14:10	04/06/23 22:31	1
2-Fluorobiphenyl (Surr)	60		43 - 145	04/05/23 14:10	04/06/23 22:31	1
2-Fluorophenol (Surr)	50		31 - 166	04/05/23 14:10	04/06/23 22:31	1
Nitrobenzene-d5 (Surr)	46		37 - 147	04/05/23 14:10	04/06/23 22:31	1
Phenol-d5 (Surr)	63		30 - 153	04/05/23 14:10	04/06/23 22:31	1
Terphenyl-d14 (Surr)	88		42 - 157	04/05/23 14:10	04/06/23 22:31	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/23 17:09	04/05/23 16:09	1
Barium	0.57		0.50	0.050	mg/L		04/04/23 17:09	04/05/23 16:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/23 17:09	04/05/23 16:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:09	04/05/23 16:09	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:09	1
Cobalt	0.011	J	0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:09	1
Copper	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:09	1
Iron	0.21	J	0.40	0.20	mg/L		04/04/23 17:09	04/05/23 16:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/23 17:09	04/05/23 16:09	1
Manganese	4.2		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:09	1
Nickel	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:09	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:09	04/05/23 16:09	1
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:09	04/05/23 16:09	1
Zinc	<0.50		0.50	0.020	mg/L		04/04/23 17:09	04/05/23 16:09	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.028	J	0.050	0.010	mg/L		04/04/23 17:10	04/05/23 14:26	1
Barium	0.41	J	0.50	0.050	mg/L		04/04/23 17:10	04/05/23 14:26	1
Beryllium	0.0047		0.0040	0.0040	mg/L		04/04/23 17:10	04/05/23 14:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/23 17:10	04/05/23 14:26	1
Chromium	0.090		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:26	1
Cobalt	0.033		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:26	1
Copper	0.073		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:26	1
Iron	86		0.40	0.20	mg/L		04/04/23 17:10	04/05/23 14:26	1
Lead	0.040		0.0075	0.0075	mg/L		04/04/23 17:10	04/05/23 14:26	1
Manganese	0.89		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:26	1
Nickel	0.086		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:26	1
Selenium	<0.050		0.050	0.020	mg/L		04/04/23 17:10	04/05/23 14:26	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Client Sample ID: Row-20(10-15)-032823

Lab Sample ID: 500-231348-8

Date Collected: 03/28/23 15:55

Matrix: Solid

Date Received: 03/28/23 16:57

Percent Solids: 84.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/23 17:10	04/05/23 14:26	1
Zinc	0.20	J ^+	0.50	0.020	mg/L		04/04/23 17:10	04/05/23 14:26	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		11	4.6	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Antimony	<1.1		1.1	0.22	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Arsenic	6.6		0.56	0.19	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Barium	46	B	0.56	0.064	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Beryllium	0.66	B	0.23	0.053	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Cadmium	0.24	B	0.11	0.020	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Calcium	32000	B	11	1.9	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Chromium	14		0.56	0.28	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Cobalt	9.2		0.28	0.074	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Copper	19		0.56	0.16	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Iron	17000		11	5.9	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Lead	13		0.28	0.13	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Magnesium	19000		5.6	2.8	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Manganese	290	B	0.56	0.082	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Nickel	23		0.56	0.16	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Potassium	1400		28	10	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Silver	0.37		0.28	0.073	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Sodium	340		56	8.4	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Vanadium	22		0.28	0.067	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1
Zinc	56		1.1	0.50	mg/Kg	☆	04/05/23 09:46	04/06/23 18:26	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/04/23 16:50	04/05/23 11:01	1

Method: SW846 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		04/04/23 16:50	04/05/23 10:23	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.010	mg/Kg	☆	03/31/23 14:20	04/03/23 12:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/03/23 17:48	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

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
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
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
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 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.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231348-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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- 10
- 11
- 12
- 13
- 14
- 15

Chain of Custody Record 640958

Address _____



Environment Testing
America

Regulatory Program: DW NPDES RCRA Other

500-231348 COC

TAL-8210

Client Contact		Project Manager <i>A. Steeles</i>				Site Contact <i>C. Pace</i>		Date <i>3-28-23</i>	
Company Name <i>Weston Solutions</i>		Tel/Email				Lab Contact <i>R. Wright</i>		Carrier <i>3 of 3 COCs</i>	
Address <i>300 Knightsbridge Pkwy</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
City/State/Zip <i>Lincolnton, NC</i>									
Phone _____		Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ <i>VOCS</i> <i>SOCS</i> <i>Total Metals</i> <i>Trace/Sol'd Metals</i> <i>pH</i>							
Fax _____									
Project Name <i>IDOT 051</i>		Sample Date		Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes	
Site <i>I-80</i>		1		1500	G	S	6	X X X X X	
P O # _____		2		1520					
		3		1525					
		4		1530					
		5		1530					
		6		1545					
		7		1550					
		8		1555					
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments: <div style="text-align: right; margin-right: 100px;"><i>A-9+39</i></div>									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____		Corr'd _____		Therm ID No _____	
Relinquished by <i>[Signature]</i>		Company <i>WS</i>		Date/Time <i>3-28-23/1600</i>		Received by <i>[Signature]</i>		Company <i>EETA</i>	
Relinquished by <i>[Signature]</i>		Company <i>EETA</i>		Date/Time <i>3/28/23 1657</i>		Received by <i>[Signature]</i>		Company <i>EETA</i>	
Relinquished by _____		Company _____		Date/Time _____		Received in Laboratory by _____		Company _____	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/21/2023 4:45:56 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231932-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231932-1	ROW-24(0-5)-040723	Solid	04/07/23 08:00	04/07/23 16:57
500-231932-2	ROW-22(0-5)-040723	Solid	04/07/23 08:15	04/07/23 16:57
500-231932-3	ROW-21(0-5)-040723	Solid	04/07/23 08:40	04/07/23 16:57
500-231932-4	ROW-21(5-10)-040723	Solid	04/07/23 08:45	04/07/23 16:57
500-231932-5	ROW-21(10-15)-040723	Solid	04/07/23 08:50	04/07/23 16:57
500-231932-6	ROW-21(15-18)-040723	Solid	04/07/23 08:55	04/07/23 16:57
500-231932-7	ROW-23(0-5)-040723	Solid	04/07/23 09:00	04/07/23 16:57
500-231932-8	ROW-25(0-5)-040723	Solid	04/07/23 09:20	04/07/23 16:57
500-231932-9	ROW-25(5-10)-040723	Solid	04/07/23 09:25	04/07/23 16:57
500-231932-10	ROW-26(0-5)-040723	Solid	04/07/23 09:40	04/07/23 16:57
500-231932-11	ROW-27(0-5)-040723	Solid	04/07/23 09:55	04/07/23 16:57
500-231932-12	ROW-27(0-5)-040723D	Solid	04/07/23 09:55	04/07/23 16:57
500-231932-13	ROW-28(0-5)-040723	Solid	04/07/23 10:20	04/07/23 16:57
500-231932-14	ROW-29(0-5)-040723	Solid	04/07/23 10:40	04/07/23 16:57
500-231932-15	ROW-29(5-10)-040723	Solid	04/07/23 10:45	04/07/23 16:57
500-231932-16	RC-3(0-5)-040723	Solid	04/07/23 10:50	04/07/23 16:57
500-231932-17	RC-3(5-10)-040723	Solid	04/07/23 10:55	04/07/23 16:57
500-231932-18	RC-3(10-15)-040723	Solid	04/07/23 11:00	04/07/23 16:57
500-231932-19	ROW-30(0-5)-040723	Solid	04/07/23 11:50	04/07/23 16:57
500-231932-20	ROW-31(0-5)-040723	Solid	04/07/23 12:00	04/07/23 16:57

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(0-5)-040723

Lab Sample ID: 500-231932-3

Date Collected: 04/07/23 08:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0065	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Carbon disulfide	<0.0038		0.0038	0.00078	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	04/08/23 12:30	04/17/23 13:07	1
Dibromofluoromethane (Surr)	104		75 - 126	04/08/23 12:30	04/17/23 13:07	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	04/08/23 12:30	04/17/23 13:07	1
Toluene-d8 (Surr)	106		75 - 124	04/08/23 12:30	04/17/23 13:07	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19	F1	0.19	0.041	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
1,2-Dichlorobenzene	<0.19	F1	0.19	0.045	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
1,3-Dichlorobenzene	<0.19	F1	0.19	0.043	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
1,4-Dichlorobenzene	<0.19	F1	0.19	0.049	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(0-5)-040723

Lab Sample ID: 500-231932-3

Date Collected: 04/07/23 08:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38	F2	0.38	0.086	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
2,4,6-Trichlorophenol	<0.38	F1 F2	0.38	0.13	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
2,4-Dichlorophenol	<0.38	F1 F2	0.38	0.090	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
2,4-Dimethylphenol	<0.38	F1 F2	0.38	0.14	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
2,4-Dinitrophenol	<0.76	F2	0.76	0.67	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
2,4-Dinitrotoluene	<0.19	F1 F2	0.19	0.060	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
2,6-Dinitrotoluene	<0.19	F1 F2	0.19	0.074	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
2-Chloronaphthalene	<0.19	F1	0.19	0.042	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
2-Chlorophenol	<0.19	F1	0.19	0.065	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
2-Methylnaphthalene	<0.076	F1	0.076	0.0070	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
2-Methylphenol	<0.19	F1 F2	0.19	0.061	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
2-Nitroaniline	<0.19	F2	0.19	0.051	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
3 & 4 Methylphenol	<0.19	F1 F2	0.19	0.063	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
3,3'-Dichlorobenzidine	<0.19	F2	0.19	0.053	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
3-Nitroaniline	<0.38	F2	0.38	0.12	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
4,6-Dinitro-2-methylphenol	<0.76	F2	0.76	0.30	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
4-Bromophenyl phenyl ether	<0.19	F1 F2	0.19	0.050	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
4-Chloro-3-methylphenol	<0.38	F1 F2	0.38	0.13	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
4-Chloroaniline	<0.76	F2	0.76	0.18	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
4-Chlorophenyl phenyl ether	<0.19	F1 F2	0.19	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
4-Nitroaniline	<0.38	F1	0.38	0.16	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
4-Nitrophenol	<0.76	F2	0.76	0.36	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Acenaphthene	<0.038	F1	0.038	0.0068	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Acenaphthylene	<0.038	F1 F2	0.038	0.0050	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Anthracene	<0.038	F1 F2	0.038	0.0063	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Benzo[a]anthracene	<0.038	*- F1 F2	0.038	0.0051	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Benzo[a]pyrene	<0.038	F1 F2	0.038	0.0073	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Benzo[b]fluoranthene	<0.038	F1 F2	0.038	0.0082	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Benzo[g,h,i]perylene	<0.038	F1 F2	0.038	0.012	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Benzo[k]fluoranthene	<0.038	F1 F2	0.038	0.011	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Bis(2-ethylhexyl) phthalate	<0.19	F1 F2	0.19	0.069	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Butyl benzyl phthalate	<0.19	F1 F2	0.19	0.072	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Carbazole	<0.19	F1 F2	0.19	0.095	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Chrysene	<0.038	F1 F2	0.038	0.010	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Dibenz(a,h)anthracene	<0.038	F1 F2	0.038	0.0073	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Dibenzofuran	<0.19	F1 F2	0.19	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Diethyl phthalate	<0.19	F1 F2	0.19	0.064	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Dimethyl phthalate	<0.19	F1 F2	0.19	0.049	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Di-n-butyl phthalate	<0.19	F1 F2	0.19	0.058	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Di-n-octyl phthalate	<0.19	F1 F2	0.19	0.062	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Fluoranthene	0.014	J F1 F2	0.038	0.0070	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Fluorene	<0.038	F1 F2	0.038	0.0053	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Hexachlorobenzene	<0.076	F1 F2	0.076	0.0088	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Hexachlorobutadiene	<0.19	F1	0.19	0.059	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1
Hexachloroethane	<0.19	F1	0.19	0.058	mg/Kg	✳	04/17/23 14:10	04/18/23 16:35	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(0-5)-040723

Lab Sample ID: 500-231932-3

Date Collected: 04/07/23 08:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.9

Method: SW846 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	0.0098	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
Isophorone	<0.19	F1	0.19	0.043	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
Naphthalene	<0.038	F1	0.038	0.0058	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
N-Nitrosodiphenylamine	<0.19	F1 F2	0.19	0.045	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
Pentachlorophenol	<0.76	F2	0.76	0.61	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
Phenanthrene	0.0081	J F1 F2	0.038	0.0053	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
Pyrene	0.012	J F1 F2	0.038	0.0075	mg/Kg	☼	04/17/23 14:10	04/18/23 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	49		31 - 143				04/17/23 14:10	04/18/23 16:35	1
2-Fluorobiphenyl (Surr)	55		43 - 145				04/17/23 14:10	04/18/23 16:35	1
2-Fluorophenol (Surr)	60		31 - 166				04/17/23 14:10	04/18/23 16:35	1
Nitrobenzene-d5 (Surr)	70		37 - 147				04/17/23 14:10	04/18/23 16:35	1
Phenol-d5 (Surr)	62		30 - 153				04/17/23 14:10	04/18/23 16:35	1
Terphenyl-d14 (Surr)	60		42 - 157				04/17/23 14:10	04/18/23 16:35	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 08:09	04/12/23 21:15	1
Barium	0.30	J	0.50	0.050	mg/L		04/12/23 08:09	04/12/23 21:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 08:09	04/12/23 21:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 08:09	04/12/23 21:15	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:15	1
Cobalt	0.017	J	0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:15	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:15	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 08:09	04/12/23 21:15	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 08:09	04/12/23 21:15	1
Manganese	1.7		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:15	1
Nickel	0.047		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:15	1
Selenium	0.020	J	0.050	0.020	mg/L		04/12/23 08:09	04/12/23 21:15	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:15	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 08:09	04/12/23 21:15	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.048	J	0.050	0.010	mg/L		04/11/23 17:12	04/14/23 14:20	1
Barium	0.71		0.50	0.050	mg/L		04/11/23 17:12	04/14/23 14:20	1
Beryllium	0.0072		0.0040	0.0040	mg/L		04/11/23 17:12	04/14/23 14:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/23 17:12	04/14/23 14:20	1
Chromium	0.13		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:20	1
Cobalt	0.043		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:20	1
Copper	0.11		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:20	1
Iron	140		0.40	0.20	mg/L		04/11/23 17:12	04/14/23 14:20	1
Lead	0.12		0.0075	0.0075	mg/L		04/11/23 17:12	04/14/23 14:20	1
Manganese	0.74		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:20	1
Nickel	0.10		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:20	1
Selenium	<0.050		0.050	0.020	mg/L		04/11/23 17:12	04/14/23 14:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(0-5)-040723

Lab Sample ID: 500-231932-3

Date Collected: 04/07/23 08:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:20	1
Zinc	0.43	J	0.50	0.020	mg/L		04/11/23 17:12	04/14/23 14:20	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8300		11	4.7	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Antimony	0.25	J B	1.1	0.22	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Arsenic	6.7		0.57	0.19	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Barium	77	B	0.57	0.065	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Beryllium	0.71	B	0.23	0.053	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Cadmium	0.28	B	0.11	0.020	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Calcium	59000		57	9.6	mg/Kg	☆	04/13/23 09:34	04/17/23 15:47	5
Chromium	9.1		0.57	0.28	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Cobalt	11		0.28	0.075	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Copper	14		0.57	0.16	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Iron	13000		11	5.9	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Lead	45		0.28	0.13	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Magnesium	28000		5.7	2.8	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Manganese	560	B	0.57	0.083	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Nickel	18		0.57	0.17	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Potassium	1800		28	10	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Selenium	0.41	J	0.57	0.33	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Silver	0.33		0.28	0.073	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Sodium	460		57	8.4	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Thallium	<0.57		0.57	0.28	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Vanadium	16	B	0.28	0.067	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1
Zinc	57		1.1	0.50	mg/Kg	☆	04/13/23 09:34	04/14/23 19:18	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/11/23 17:05	04/12/23 11:38	1

Method: SW846 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		04/12/23 10:50	04/13/23 09:31	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.018	0.0096	mg/Kg	☆	04/12/23 17:00	04/13/23 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.2	0.2	SU			04/11/23 20:01	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(5-10)-040723

Lab Sample ID: 500-231932-4

Date Collected: 04/07/23 08:45

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0064	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Carbon disulfide	<0.0037		0.0037	0.00077	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Ethylbenzene	<0.0015		0.0015	0.00071	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Vinyl chloride	<0.0015		0.0015	0.00065	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1
Xylenes, Total	<0.0030		0.0030	0.00047	mg/Kg	✳	04/08/23 12:30	04/17/23 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	04/08/23 12:30	04/17/23 13:31	1
Dibromofluoromethane (Surr)	105		75 - 126	04/08/23 12:30	04/17/23 13:31	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	04/08/23 12:30	04/17/23 13:31	1
Toluene-d8 (Surr)	107		75 - 124	04/08/23 12:30	04/17/23 13:31	1

Method: SW846 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	✳	04/17/23 14:10	04/18/23 11:58	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/17/23 14:10	04/18/23 11:58	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/17/23 14:10	04/18/23 11:58	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/17/23 14:10	04/18/23 11:58	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 11:58	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(5-10)-040723

Lab Sample ID: 500-231932-4

Date Collected: 04/07/23 08:45

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.4

Method: SW846 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	☼	04/17/23 14:10	04/18/23 11:58	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2-Methylnaphthalene	<0.076		0.076	0.0070	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Benzo[a]anthracene	<0.038	*	0.038	0.0051	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(5-10)-040723

Lab Sample ID: 500-231932-4

Date Collected: 04/07/23 08:45

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.4

Method: SW846 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	☼	04/17/23 14:10	04/18/23 11:58	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	04/17/23 14:10	04/18/23 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	64		31 - 143	04/17/23 14:10	04/18/23 11:58	1
2-Fluorobiphenyl (Surr)	73		43 - 145	04/17/23 14:10	04/18/23 11:58	1
2-Fluorophenol (Surr)	79		31 - 166	04/17/23 14:10	04/18/23 11:58	1
Nitrobenzene-d5 (Surr)	78		37 - 147	04/17/23 14:10	04/18/23 11:58	1
Phenol-d5 (Surr)	81		30 - 153	04/17/23 14:10	04/18/23 11:58	1
Terphenyl-d14 (Surr)	79		42 - 157	04/17/23 14:10	04/18/23 11:58	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		04/12/23 08:09	04/12/23 21:18	1
Barium	0.41	J	0.50	0.050	mg/L		04/12/23 08:09	04/12/23 21:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 08:09	04/12/23 21:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 08:09	04/12/23 21:18	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:18	1
Cobalt	0.040		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:18	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:18	1
Iron	0.48		0.40	0.20	mg/L		04/12/23 08:09	04/12/23 21:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 08:09	04/12/23 21:18	1
Manganese	7.2		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:18	1
Nickel	0.036		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:18	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 08:09	04/12/23 21:18	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 21:18	1
Zinc	0.034	J	0.50	0.020	mg/L		04/12/23 08:09	04/12/23 21:18	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.095		0.050	0.010	mg/L		04/11/23 17:12	04/14/23 14:29	1
Barium	0.70		0.50	0.050	mg/L		04/11/23 17:12	04/14/23 14:29	1
Beryllium	0.011		0.0040	0.0040	mg/L		04/11/23 17:12	04/14/23 14:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/23 17:12	04/14/23 14:29	1
Chromium	0.19		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:29	1
Cobalt	0.042		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:29	1
Copper	0.17		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:29	1
Iron	240		0.40	0.20	mg/L		04/11/23 17:12	04/14/23 14:29	1
Lead	0.10		0.0075	0.0075	mg/L		04/11/23 17:12	04/14/23 14:29	1
Manganese	0.96		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:29	1
Nickel	0.18		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:29	1
Selenium	<0.050		0.050	0.020	mg/L		04/11/23 17:12	04/14/23 14:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(5-10)-040723

Lab Sample ID: 500-231932-4

Date Collected: 04/07/23 08:45

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:29	1
Zinc	0.55		0.50	0.020	mg/L		04/11/23 17:12	04/14/23 14:29	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8500		11	4.5	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Antimony	0.35	J B	1.1	0.21	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Arsenic	7.2		0.55	0.19	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Barium	39	B	0.55	0.063	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Beryllium	0.70	B	0.22	0.051	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Cadmium	0.15	B	0.11	0.020	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Calcium	43000		55	9.3	mg/Kg	☆	04/13/23 09:34	04/17/23 15:50	5
Chromium	9.5		0.55	0.27	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Cobalt	9.3		0.27	0.072	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Copper	13		0.55	0.15	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Iron	14000		11	5.7	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Lead	19		0.27	0.13	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Magnesium	20000		5.5	2.7	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Manganese	250	B	0.55	0.080	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Nickel	19		0.55	0.16	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Potassium	1500		27	9.7	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Selenium	<0.55		0.55	0.32	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Silver	0.40		0.27	0.071	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Sodium	1500		55	8.1	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Thallium	<0.55		0.55	0.27	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Vanadium	16	B	0.27	0.065	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1
Zinc	31		1.1	0.48	mg/Kg	☆	04/13/23 09:34	04/14/23 19:21	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/11/23 17:05	04/12/23 11:40	1

Method: SW846 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		04/12/23 10:50	04/13/23 09:33	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.020	0.010	mg/Kg	☆	04/12/23 17:00	04/13/23 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/11/23 20:03	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(10-15)-040723

Lab Sample ID: 500-231932-5

Date Collected: 04/07/23 08:50

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 89.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0068	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Bromoform	<0.0016		0.0016	0.00045	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Chlorobenzene	<0.0016		0.0016	0.00057	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Chloroethane	<0.0039		0.0039	0.0011	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00043	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
1,1-Dichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00054	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Ethylbenzene	<0.0016		0.0016	0.00074	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
methyl isobutyl ketone	<0.0039		0.0039	0.0011	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00054	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Trichloroethene	<0.0016		0.0016	0.00052	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☆	04/08/23 12:30	04/17/23 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 131	04/08/23 12:30	04/17/23 13:54	1
Dibromofluoromethane (Surr)	105		75 - 126	04/08/23 12:30	04/17/23 13:54	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	04/08/23 12:30	04/17/23 13:54	1
Toluene-d8 (Surr)	106		75 - 124	04/08/23 12:30	04/17/23 13:54	1

Method: SW846 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	☆	04/17/23 14:10	04/18/23 12:23	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(10-15)-040723

Lab Sample ID: 500-231932-5

Date Collected: 04/07/23 08:50

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 89.5

Method: SW846 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	☆	04/17/23 14:10	04/18/23 12:23	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Benzo[a]anthracene	<0.036	*	0.036	0.0049	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☆	04/17/23 14:10	04/18/23 12:23	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(10-15)-040723

Lab Sample ID: 500-231932-5

Date Collected: 04/07/23 08:50

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 89.5

Method: SW846 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	☼	04/17/23 14:10	04/18/23 12:23	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	04/17/23 14:10	04/18/23 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	67		31 - 143	04/17/23 14:10	04/18/23 12:23	1
2-Fluorobiphenyl (Surr)	73		43 - 145	04/17/23 14:10	04/18/23 12:23	1
2-Fluorophenol (Surr)	84		31 - 166	04/17/23 14:10	04/18/23 12:23	1
Nitrobenzene-d5 (Surr)	93		37 - 147	04/17/23 14:10	04/18/23 12:23	1
Phenol-d5 (Surr)	85		30 - 153	04/17/23 14:10	04/18/23 12:23	1
Terphenyl-d14 (Surr)	73		42 - 157	04/17/23 14:10	04/18/23 12:23	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 08:09	04/12/23 22:27	1
Barium	0.074	J	0.50	0.050	mg/L		04/12/23 08:09	04/12/23 22:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 08:09	04/12/23 22:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 08:09	04/12/23 22:27	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:27	1
Cobalt	0.13		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:27	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:27	1
Iron	0.37	J	0.40	0.20	mg/L		04/12/23 08:09	04/12/23 22:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 08:09	04/12/23 22:27	1
Manganese	4.0		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:27	1
Nickel	0.22		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:27	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 08:09	04/12/23 22:27	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:27	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 08:09	04/12/23 22:27	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		04/11/23 17:12	04/14/23 14:32	1
Barium	<0.50		0.50	0.050	mg/L		04/11/23 17:12	04/14/23 14:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/23 17:12	04/14/23 14:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/23 17:12	04/14/23 14:32	1
Chromium	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:32	1
Cobalt	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:32	1
Copper	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:32	1
Iron	6.1		0.40	0.20	mg/L		04/11/23 17:12	04/14/23 14:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/11/23 17:12	04/14/23 14:32	1
Manganese	0.011	J	0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:32	1
Nickel	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:32	1
Selenium	<0.050		0.050	0.020	mg/L		04/11/23 17:12	04/14/23 14:32	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(10-15)-040723

Lab Sample ID: 500-231932-5

Date Collected: 04/07/23 08:50

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 89.5

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:32	1
Zinc	<0.50		0.50	0.020	mg/L		04/11/23 17:12	04/14/23 14:32	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4400		11	4.4	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Antimony	0.30	J B	1.1	0.21	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Arsenic	3.6		0.54	0.18	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Barium	13	B	0.54	0.061	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Beryllium	0.68	B	0.22	0.050	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Cadmium	0.079	J B	0.11	0.019	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Calcium	74000		54	9.1	mg/Kg	☆	04/13/23 09:34	04/17/23 15:53	5
Chromium	5.0		0.54	0.27	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Cobalt	5.9		0.27	0.071	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Copper	7.8		0.54	0.15	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Iron	7700		11	5.6	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Lead	27		0.27	0.12	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Magnesium	31000		5.4	2.7	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Manganese	150	B	0.54	0.078	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Nickel	16		0.54	0.16	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Potassium	2500		27	9.5	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Selenium	<0.54		0.54	0.32	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Silver	0.36		0.27	0.069	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Sodium	470		54	8.0	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Thallium	<0.54		0.54	0.27	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Vanadium	7.4	B	0.27	0.064	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1
Zinc	3.8		1.1	0.47	mg/Kg	☆	04/13/23 09:34	04/14/23 19:31	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/11/23 17:05	04/12/23 12:15	1

Method: SW846 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		04/12/23 10:50	04/13/23 09:35	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.018	0.0094	mg/Kg	☆	04/12/23 17:00	04/13/23 09:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.2	0.2	SU			04/11/23 20:06	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(15-18)-040723

Lab Sample ID: 500-231932-6

Date Collected: 04/07/23 08:55

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 84.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0066	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Carbon disulfide	<0.0038		0.0038	0.00079	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
1,3-Dichloropropane, Total	<0.0015		0.0015	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00065	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Vinyl chloride	<0.0015		0.0015	0.00067	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1
Xylenes, Total	<0.0030		0.0030	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	04/08/23 12:30	04/17/23 14:17	1
Dibromofluoromethane (Surr)	103		75 - 126	04/08/23 12:30	04/17/23 14:17	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	04/08/23 12:30	04/17/23 14:17	1
Toluene-d8 (Surr)	106		75 - 124	04/08/23 12:30	04/17/23 14:17	1

Method: SW846 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	✳	04/17/23 14:10	04/18/23 17:49	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✳	04/17/23 14:10	04/18/23 17:49	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(15-18)-040723

Lab Sample ID: 500-231932-6

Date Collected: 04/07/23 08:55

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 84.9

Method: SW846 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	✱	04/17/23 14:10	04/18/23 17:49	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Anthracene	0.0070	J	0.039	0.0065	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Benzo[a]anthracene	0.034	J*	0.039	0.0053	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Benzo[a]pyrene	0.040		0.039	0.0076	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Benzo[b]fluoranthene	0.066		0.039	0.0084	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Benzo[g,h,i]perylene	0.051		0.039	0.013	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Benzo[k]fluoranthene	0.022	J	0.039	0.012	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Carbazole	<0.20		0.20	0.098	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Chrysene	0.046		0.039	0.011	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Fluoranthene	0.042		0.039	0.0072	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✱	04/17/23 14:10	04/18/23 17:49	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(15-18)-040723

Lab Sample ID: 500-231932-6

Date Collected: 04/07/23 08:55

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 84.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.048		0.039	0.010	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
Phenanthrene	0.018	J	0.039	0.0054	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
Pyrene	0.035	J	0.039	0.0078	mg/Kg	☼	04/17/23 14:10	04/18/23 17:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	60		31 - 143				04/17/23 14:10	04/18/23 17:49	1
2-Fluorobiphenyl (Surr)	73		43 - 145				04/17/23 14:10	04/18/23 17:49	1
2-Fluorophenol (Surr)	79		31 - 166				04/17/23 14:10	04/18/23 17:49	1
Nitrobenzene-d5 (Surr)	92		37 - 147				04/17/23 14:10	04/18/23 17:49	1
Phenol-d5 (Surr)	79		30 - 153				04/17/23 14:10	04/18/23 17:49	1
Terphenyl-d14 (Surr)	72		42 - 157				04/17/23 14:10	04/18/23 17:49	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 08:09	04/12/23 22:30	1
Barium	0.50		0.50	0.050	mg/L		04/12/23 08:09	04/12/23 22:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 08:09	04/12/23 22:30	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		04/12/23 08:09	04/12/23 22:30	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:30	1
Cobalt	0.042		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:30	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:30	1
Iron	0.25	J	0.40	0.20	mg/L		04/12/23 08:09	04/12/23 22:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 08:09	04/12/23 22:30	1
Manganese	6.1		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:30	1
Nickel	0.026		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:30	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 08:09	04/12/23 22:30	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:30	1
Zinc	0.28	J	0.50	0.020	mg/L		04/12/23 08:09	04/12/23 22:30	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.053		0.050	0.010	mg/L		04/11/23 17:12	04/14/23 14:36	1
Barium	0.35	J	0.50	0.050	mg/L		04/11/23 17:12	04/14/23 14:36	1
Beryllium	0.011		0.0040	0.0040	mg/L		04/11/23 17:12	04/14/23 14:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/23 17:12	04/14/23 14:36	1
Chromium	0.13		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:36	1
Cobalt	0.057		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:36	1
Copper	0.074		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:36	1
Iron	130		0.40	0.20	mg/L		04/11/23 17:12	04/14/23 14:36	1
Lead	0.094		0.0075	0.0075	mg/L		04/11/23 17:12	04/14/23 14:36	1
Manganese	0.79		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:36	1
Nickel	0.16		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:36	1
Selenium	<0.050		0.050	0.020	mg/L		04/11/23 17:12	04/14/23 14:36	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-21(15-18)-040723

Lab Sample ID: 500-231932-6

Date Collected: 04/07/23 08:55

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 84.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 14:36	1
Zinc	0.19	J	0.50	0.020	mg/L		04/11/23 17:12	04/14/23 14:36	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4600		12	4.8	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Antimony	0.40	J B	1.2	0.23	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Arsenic	7.1		0.58	0.20	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Barium	16	B	0.58	0.067	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Beryllium	0.66	B	0.23	0.055	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Cadmium	0.14	B	0.12	0.021	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Calcium	69000		58	9.9	mg/Kg	☆	04/13/23 09:34	04/17/23 15:56	5
Chromium	5.9		0.58	0.29	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Cobalt	8.4		0.29	0.077	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Copper	11		0.58	0.16	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Iron	12000		12	6.1	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Lead	25		0.29	0.14	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Magnesium	30000		5.8	2.9	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Manganese	240	B	0.58	0.085	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Nickel	20		0.58	0.17	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Potassium	2300		29	10	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Silver	0.32		0.29	0.075	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Sodium	610		58	8.7	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Vanadium	8.4	B	0.29	0.069	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1
Zinc	15		1.2	0.51	mg/Kg	☆	04/13/23 09:34	04/14/23 19:34	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/11/23 17:05	04/12/23 12:17	1

Method: SW846 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		04/12/23 10:50	04/13/23 09:37	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.018	0.0094	mg/Kg	☆	04/12/23 17:00	04/13/23 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			04/11/23 20:08	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

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 and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control 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.
S1-	Surrogate recovery exceeds control limits, low biased.

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 exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Glossary (Continued)

Abbreviation **These commonly used abbreviations may or may not be present in this report.**

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)
TNTC	Too Numerous To Count

- 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 - I-80, Joliet - WO 051

Job ID: 500-231932-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record

523563



Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <i>A. Slessers</i>		Site Contact: <i>C. Pence</i>		Date: <i>4-7-23</i>		COC No: _____	
Company Name: <i>Weston Solutions</i>		Tel/Email: _____		Lab Contact: <i>R. Wright</i>		Carrier: _____		_____ of <i>4</i> COCs	
Address: <i>300 Knightsbridge Pkwy</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
City/State/Zip: <i>Chicagoland, IL</i>									
Phone: _____		Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ VOCs _____ SVOCs _____ Metals _____ TSP / SPP Metals _____ PH _____ 500-231932 COC							
Fax: _____									
Project Name: <i>EDBT 051</i>									
Site: <i>I-80</i>									
P O #: _____									
Sampler: _____		For Lab Use Only. Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>							
Job / SDG No: <i>500-231932</i>		Sample Specific Notes							
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp G=Grab)	Matrix	# of Cont.			
1	Row-24 (0-5) -040723	4-7-23	0800	G	S	6	X	X	X
2	Row-22 (0-5) -040723		0815						
3	Row-21 (0-5) -040723		0840						
4	Row-21 (5-10) -040723		0845						
5	Row-21 (10-15) -040723		0850						
6	Row-21 (15-18) -040723		0855						
7	Row-23 (0-5) -040723		0900						
8	Row-25 (0-5) -040723		0920						
9	Row-25 (5-10) -040723		0925						
10	Row-26 (0-5) -040723		0940						
Preservation Used; 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other _____									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments: <i>5,3-74,2,4,1-73,0,5,4-743</i>									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____		Corr'd: _____		Therm ID No _____	
Relinquished by: _____		Company: <i>WS</i>		Date/Time: <i>4-7-23/1610</i>		Received by: _____		Company: <i>EETA</i>	
Relinquished by: _____		Company: <i>EETA</i>		Date/Time: <i>4/7/23/1657</i>		Received by: _____		Company: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received by: _____		Company: <i>EETA</i>	

Chain of Custody Record

523568



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name <u>Weston Solutions</u> Address <u>300 Kingsbridge Pkwy</u> City/State/Zip <u>Lincolnshire, IL</u> Phone _____ Fax _____ Project Name <u>FOOT 051</u> Site <u>I 80</u> P O # _____		Project Manager <u>A. Slesace</u> Tel/Email: _____ Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact <u>C. Pace</u> Date <u>4-7-23</u> Lab Contact <u>R. Wright</u> Carrier _____		COC No _____ 2 of 4 COCs Sampler _____ For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/> Job / SDG No <u>500-231932</u>			
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Other Parameters	Sample Specific Notes
11 Row-27(0-5)-040723	4-7-23	0955	G	S	6			VOCs SVOCs Total Metals TCDF/SPLP Metals pH	
12 Row-27(0-5)-040723D		0955							
13 Row-28(0-5)-040723		1020							
14 Row-24(0-5)-040723		1040							
15 Row-28(5-10)-040723		1045							
16 RC-3(0-5)-040723		1050							
17 RC-3(5-10)-040723		1055							
18 RC-3(10-15)-040723		1100							
19 Row-30(0-5)-040723		1150							
20 Row-31(0-5)-040723		1200							
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other						Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months						Special Instructions/QC Requirements & Comments: _____			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____ Corr'd. _____		Therm ID No _____		41-730	
Relinquished by _____ Company <u>WS</u>		Date/Time <u>4-23/1610</u>		Received by <u>Amal</u> Company <u>ETA</u>		Date/Time <u>4/23/23 1610</u>			
Relinquished by _____ Company <u>ETA</u>		Date/Time <u>4/23/23 1657</u>		Received in Laboratory by <u>Rhonda</u> Company <u>ETA</u>		Date/Time <u>4/23/23 1657</u>			

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/27/2023 5:12:02 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-232206-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-232206-1	ROW-37(0-5)-041323	Solid	04/13/23 07:30	04/13/23 18:02
500-232206-2	ROW-38(0-5)-041323	Solid	04/13/23 07:45	04/13/23 18:02
500-232206-3	ROW-38(5-10)-041323	Solid	04/13/23 07:50	04/13/23 18:02
500-232206-4	ROW-38-041323	Water	04/13/23 08:15	04/13/23 18:02
500-232206-5	Trip Blank	Water	04/13/23 00:00	04/13/23 18:02
500-232206-6	ROW-39(0-5)-041323	Solid	04/13/23 08:40	04/13/23 18:02
500-232206-7	ROW-40(0-5)-041323	Solid	04/13/23 09:00	04/13/23 18:02
500-232206-8	ROW-41(0-5)-041323	Solid	04/13/23 09:40	04/13/23 18:02
500-232206-9	ROW-46(0-5)-041323	Solid	04/13/23 10:10	04/13/23 18:02
500-232206-10	ROW-47(0-5)-041323	Solid	04/13/23 10:20	04/13/23 18:02
500-232206-11	ROW-48(0-5)-041323	Solid	04/13/23 10:25	04/13/23 18:02
500-232206-12	ROW-49(0-5)-041323	Solid	04/13/23 10:40	04/13/23 18:02
500-232206-13	ROW-50(0-5)-041323	Solid	04/13/23 10:50	04/13/23 18:02
500-232206-14	ROW-50(0-5)-041323D	Solid	04/13/23 10:50	04/13/23 18:02
500-232206-15	ROW-51(0-5)-041323	Solid	04/13/23 11:00	04/13/23 18:02
500-232206-16	ROW-52(0-5)-041323	Solid	04/13/23 11:30	04/13/23 18:02
500-232206-17	ROW-52(5-10)-041323	Solid	04/13/23 11:35	04/13/23 18:02
500-232206-18	ROW-52(10-15)-041323	Solid	04/13/23 11:40	04/13/23 18:02
500-232206-19	ROW-53(0-5)-041323	Solid	04/13/23 12:10	04/13/23 18:02
500-232206-20	ROW-53(5-10)-041323	Solid	04/13/23 12:15	04/13/23 18:02



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-53(0-5)-041323

Lab Sample ID: 500-232206-19

Date Collected: 04/13/23 12:10

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 85.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	J	0.019	0.0085	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Benzene	<0.0019		0.0019	0.00050	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Bromodichloromethane	<0.0019		0.0019	0.00040	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Bromoform	<0.0019		0.0019	0.00057	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Carbon disulfide	<0.0049		0.0049	0.0010	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Chlorobenzene	<0.0019		0.0019	0.00072	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Chloroethane	<0.0049		0.0049	0.0014	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Chloroform	<0.0019		0.0019	0.00067	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Chloromethane	<0.0049		0.0049	0.0020	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00059	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
1,1-Dichloroethene	<0.0019		0.0019	0.00067	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00068	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Ethylbenzene	<0.0019		0.0019	0.00093	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Methylene Chloride	<0.0049		0.0049	0.0019	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Methyl Ethyl Ketone	<0.0049		0.0049	0.0022	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
methyl isobutyl ketone	<0.0049		0.0049	0.0014	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00057	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Styrene	<0.0019		0.0019	0.00059	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00062	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Tetrachloroethene	<0.0019		0.0019	0.00066	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Toluene	<0.0019		0.0019	0.00049	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00086	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00068	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00065	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00083	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Trichloroethene	<0.0019		0.0019	0.00066	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Vinyl chloride	<0.0019		0.0019	0.00086	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1
Xylenes, Total	<0.0039		0.0039	0.00062	mg/Kg	✱	04/14/23 20:00	04/19/23 13:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	04/14/23 20:00	04/19/23 13:28	1
Dibromofluoromethane (Surr)	96		75 - 126	04/14/23 20:00	04/19/23 13:28	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	04/14/23 20:00	04/19/23 13:28	1
Toluene-d8 (Surr)	92		75 - 124	04/14/23 20:00	04/19/23 13:28	1

Method: SW846 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	✱	04/25/23 07:11	04/26/23 20:12	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	✱	04/25/23 07:11	04/26/23 20:12	1
1,3-Dichlorobenzene	<0.19		0.19	0.041	mg/Kg	✱	04/25/23 07:11	04/26/23 20:12	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	✱	04/25/23 07:11	04/26/23 20:12	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	✱	04/25/23 07:11	04/26/23 20:12	1

Euofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-53(0-5)-041323

Lab Sample ID: 500-232206-19

Date Collected: 04/13/23 12:10

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 85.5

Method: SW846 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	0.084	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2,4-Dichlorophenol	<0.37		0.37	0.087	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2,6-Dinitrotoluene	<0.19		0.19	0.072	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2-Methylnaphthalene	<0.074		0.074	0.0068	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
3 & 4 Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Anthracene	<0.037		0.037	0.0061	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Benzo[a]anthracene	0.039		0.037	0.0050	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Benzo[a]pyrene	0.030 J		0.037	0.0071	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Benzo[b]fluoranthene	0.019 J		0.037	0.0079	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.067	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Carbazole	<0.19		0.19	0.092	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Chrysene	0.066		0.037	0.010	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0071	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Diethyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Fluoranthene	0.0093 J		0.037	0.0068	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	✳	04/25/23 07:11	04/26/23 20:12	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-53(0-5)-041323

Lab Sample ID: 500-232206-19

Date Collected: 04/13/23 12:10

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 85.5

Method: SW846 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	0.0095	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
Isophorone	<0.19		0.19	0.041	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
N-Nitrosodiphenylamine	<0.19		0.19	0.043	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
Phenanthrene	0.0099	J	0.037	0.0051	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
Pyrene	0.070		0.037	0.0073	mg/Kg	☼	04/25/23 07:11	04/26/23 20:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	56		31 - 143				04/25/23 07:11	04/26/23 20:12	1
2-Fluorobiphenyl (Surr)	76		43 - 145				04/25/23 07:11	04/26/23 20:12	1
2-Fluorophenol (Surr)	77		31 - 166				04/25/23 07:11	04/26/23 20:12	1
Nitrobenzene-d5 (Surr)	80		37 - 147				04/25/23 07:11	04/26/23 20:12	1
Phenol-d5 (Surr)	80		30 - 153				04/25/23 07:11	04/26/23 20:12	1
Terphenyl-d14 (Surr)	84		42 - 157				04/25/23 07:11	04/26/23 20:12	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/17/23 17:02	04/19/23 23:25	1
Barium	0.41	J	0.50	0.050	mg/L		04/17/23 17:02	04/19/23 23:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:02	04/19/23 23:25	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		04/17/23 17:02	04/19/23 23:25	1
Chromium	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:25	1
Cobalt	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:25	1
Copper	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:25	1
Iron	<0.40		0.40	0.20	mg/L		04/17/23 17:02	04/19/23 23:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/17/23 17:02	04/19/23 23:25	1
Manganese	0.81		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:25	1
Nickel	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:25	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:02	04/19/23 23:25	1
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:25	1
Zinc	0.073	J	0.50	0.020	mg/L		04/17/23 17:02	04/19/23 23:25	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.079		0.050	0.010	mg/L		04/17/23 17:03	04/24/23 23:58	1
Barium	0.46	J	0.50	0.050	mg/L		04/17/23 17:03	04/24/23 23:58	1
Beryllium	0.0091		0.0040	0.0040	mg/L		04/17/23 17:03	04/24/23 23:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:03	04/24/23 23:58	1
Chromium	0.17		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:58	1
Cobalt	0.093		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:58	1
Copper	0.24		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:58	1
Iron	200		0.40	0.20	mg/L		04/17/23 17:03	04/24/23 23:58	1
Lead	0.18		0.0075	0.0075	mg/L		04/17/23 17:03	04/24/23 23:58	1
Manganese	1.8		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:58	1
Nickel	0.24		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:58	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:03	04/24/23 23:58	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-53(0-5)-041323

Lab Sample ID: 500-232206-19

Date Collected: 04/13/23 12:10

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 85.5

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/24/23 23:58	1
Zinc	0.65		0.50	0.020	mg/L		04/17/23 17:03	04/24/23 23:58	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7900		11	4.6	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Antimony	0.28	J	1.1	0.22	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Arsenic	6.5		0.56	0.19	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Barium	40		2.8	0.32	mg/Kg	☆	04/19/23 15:49	04/25/23 13:46	5
Beryllium	0.58		0.23	0.053	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Cadmium	0.19	B	0.11	0.020	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Calcium	86000	B	56	9.6	mg/Kg	☆	04/19/23 15:49	04/25/23 13:46	5
Chromium	10		0.56	0.28	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Cobalt	7.9		0.28	0.074	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Copper	15	B	0.56	0.16	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Iron	16000		56	29	mg/Kg	☆	04/19/23 15:49	04/25/23 13:46	5
Lead	41		0.28	0.13	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Magnesium	49000	B	28	14	mg/Kg	☆	04/19/23 15:49	04/25/23 13:46	5
Manganese	330		0.56	0.082	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Nickel	18		0.56	0.16	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Potassium	1400		28	10	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Silver	0.23	J	0.28	0.073	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Sodium	770		56	8.3	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Vanadium	17		0.28	0.067	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1
Zinc	68		1.1	0.50	mg/Kg	☆	04/19/23 15:49	04/24/23 17:20	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/17/23 15:30	04/18/23 10:58	1

Method: SW846 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		04/18/23 15:10	04/19/23 11:38	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.018	0.0095	mg/Kg	☆	04/20/23 14:55	04/21/23 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.6		0.2	0.2	SU			04/17/23 19:27	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-53(5-10)-041323

Lab Sample ID: 500-232206-20

Date Collected: 04/13/23 12:15

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0075	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	04/14/23 20:00	04/19/23 13:54	1
Dibromofluoromethane (Surr)	96		75 - 126	04/14/23 20:00	04/19/23 13:54	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	04/14/23 20:00	04/19/23 13:54	1
Toluene-d8 (Surr)	91		75 - 124	04/14/23 20:00	04/19/23 13:54	1

Method: SW846 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	✳	04/25/23 07:11	04/26/23 20:34	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-53(5-10)-041323

Lab Sample ID: 500-232206-20

Date Collected: 04/13/23 12:15

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.6

Method: SW846 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	✳	04/25/23 07:11	04/26/23 20:34	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2-Methylnaphthalene	0.012	J	0.073	0.0067	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
4-Nitrophenol	<0.73		0.73	0.34	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Benzo[g,h,i]perylene	0.017	J	0.036	0.012	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Carbazole	<0.18		0.18	0.091	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	✳	04/25/23 07:11	04/26/23 20:34	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-53(5-10)-041323

Lab Sample ID: 500-232206-20

Date Collected: 04/13/23 12:15

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.6

Method: SW846 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	☼	04/25/23 07:11	04/26/23 20:34	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
Phenanthrene	0.029	J	0.036	0.0051	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
Pyrene	0.013	J	0.036	0.0072	mg/Kg	☼	04/25/23 07:11	04/26/23 20:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	60		31 - 143				04/25/23 07:11	04/26/23 20:34	1
2-Fluorobiphenyl (Surr)	81		43 - 145				04/25/23 07:11	04/26/23 20:34	1
2-Fluorophenol (Surr)	79		31 - 166				04/25/23 07:11	04/26/23 20:34	1
Nitrobenzene-d5 (Surr)	84		37 - 147				04/25/23 07:11	04/26/23 20:34	1
Phenol-d5 (Surr)	84		30 - 153				04/25/23 07:11	04/26/23 20:34	1
Terphenyl-d14 (Surr)	91		42 - 157				04/25/23 07:11	04/26/23 20:34	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/17/23 17:02	04/19/23 23:54	1
Barium	0.35	J	0.50	0.050	mg/L		04/17/23 17:02	04/19/23 23:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:02	04/19/23 23:54	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		04/17/23 17:02	04/19/23 23:54	1
Chromium	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:54	1
Cobalt	0.045		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:54	1
Copper	0.035		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:54	1
Iron	<0.40		0.40	0.20	mg/L		04/17/23 17:02	04/19/23 23:54	1
Lead	0.0076		0.0075	0.0075	mg/L		04/17/23 17:02	04/19/23 23:54	1
Manganese	5.1		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:54	1
Nickel	0.055		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:54	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:02	04/19/23 23:54	1
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:02	04/19/23 23:54	1
Zinc	0.040	J	0.50	0.020	mg/L		04/17/23 17:02	04/19/23 23:54	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/17/23 17:03	04/25/23 00:02	1
Barium	<0.50		0.50	0.050	mg/L		04/17/23 17:03	04/25/23 00:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/17/23 17:03	04/25/23 00:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/17/23 17:03	04/25/23 00:02	1
Chromium	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/25/23 00:02	1
Cobalt	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/25/23 00:02	1
Copper	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/25/23 00:02	1
Iron	2.4		0.40	0.20	mg/L		04/17/23 17:03	04/25/23 00:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/17/23 17:03	04/25/23 00:02	1
Manganese	0.031		0.025	0.010	mg/L		04/17/23 17:03	04/25/23 00:02	1
Nickel	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/25/23 00:02	1
Selenium	<0.050		0.050	0.020	mg/L		04/17/23 17:03	04/25/23 00:02	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Client Sample ID: ROW-53(5-10)-041323

Lab Sample ID: 500-232206-20

Date Collected: 04/13/23 12:15

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/17/23 17:03	04/25/23 00:02	1
Zinc	<0.50		0.50	0.020	mg/L		04/17/23 17:03	04/25/23 00:02	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8000		11	4.6	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Antimony	0.26	J	1.1	0.22	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Arsenic	7.1		0.57	0.19	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Barium	38		2.8	0.32	mg/Kg	☆	04/19/23 15:49	04/25/23 13:49	5
Beryllium	0.62		0.23	0.053	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Cadmium	0.15	B	0.11	0.020	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Calcium	76000	B	57	9.6	mg/Kg	☆	04/19/23 15:49	04/25/23 13:49	5
Chromium	12		0.57	0.28	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Cobalt	9.9		0.28	0.074	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Copper	22	B	0.57	0.16	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Iron	19000		57	29	mg/Kg	☆	04/19/23 15:49	04/25/23 13:49	5
Lead	11		0.28	0.13	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Magnesium	39000	B	28	14	mg/Kg	☆	04/19/23 15:49	04/25/23 13:49	5
Manganese	330		0.57	0.082	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Nickel	25		0.57	0.16	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Potassium	2000		28	10	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Selenium	<0.57		0.57	0.33	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Silver	0.23	J	0.28	0.073	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Sodium	620		57	8.4	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Thallium	<0.57		0.57	0.28	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Vanadium	17		0.28	0.067	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1
Zinc	50		1.1	0.50	mg/Kg	☆	04/19/23 15:49	04/24/23 17:23	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/17/23 15:30	04/18/23 11:15	1

Method: SW846 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		04/18/23 15:10	04/19/23 11:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.018	0.0093	mg/Kg	☆	04/20/23 14:55	04/21/23 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.2	0.2	SU			04/18/23 11:55	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD 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 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)

Eurofins Chicago

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

1

2

3

4

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232206-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name: <u>Western Software</u> Address: <u>308 Knightbridge Plany</u> City/State/Zip: <u>Medford, RI</u> Phone: _____ Fax: _____ Project Name: <u>POST 051</u> Site: <u>E-90</u> P O #: _____		Project Manager: <u>A. Slosser</u> Tel/Email: _____		Site Contact: <u>C. Penn</u> Date: <u>4-13-23</u>		COC No: _____ of _____ COCs					
Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Lab Contact: <u>R. Wright</u> Carrier: _____		Sampler: _____ For Lab Use Only: Walk-in Client: _____ Lab Sampling: _____ Job / SDG No: <u>500-232206</u>		Sample Specific Notes					
Sample Identificati <u>500-232206 COC</u>		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N) Perform MS / MSD (Y/N)	VOCs SVOCs Total Metals TCLP / SPC methods PAH			
1	Row-37(05)-041323	4/13/23	0730	G	S	6		X X X X X			
2	Row-38(05)-041323		0745					X X X X X			
3	Row-38(5-10)-041323		0750					X X X X X			
4	Row-38-041323		0815	G	W	6		X X X			
5	TRIP Blank				W	2		X			
6	Row-39(05)-041323	4/13/23	0840	G	S	6		X X X X X			
7	Row-40(05)-041323		0900					X X X X X			
8	Row-41(05)-041323		0940					X X X X X			
9	Row-46(05)-041323		1010					X X X X X			
10	Row-47(05)-041323		1020					X X X X X			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other											
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample								Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
<input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown											
Special Instructions/QC Requirements & Comments: <p style="text-align: right; font-size: 1.2em;">5.8 → 4.7, 5.5 → 4.4, 5.8 → 4.7</p>											
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C). Obs'd _____ Corr'd _____		Therm ID No _____					
Relinquished by <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>4/13/23 1645</u>		Received by <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1645</u>	
Relinquished by <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1802</u>		Received by <u>[Signature]</u>		Company: _____		Date/Time: _____	
Relinquished by _____		Company: _____		Date/Time: _____		Received by Laboratory by <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1802</u>	

Chain of Custody Record

538482



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager <i>A Slesces</i>		Site Contact <i>C Penn</i>		Date <i>4-13-23</i>		COC No	
Company Name <i>Weston Soloth</i>		Tel/Email:		Lab Contact <i>R Wynn</i>		Carrier		2 of 4 COCs	
Address <i>300 E. ...</i>		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SVOCs Total Metals TUP / SLP Metals pH				Sampler	
City/State/Zip <i>Cherishree, DC</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____						For Lab Use Only.	
Phone:		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Walk-in Client	
Fax:								Lab Sampling	
Project Name <i>Root 051</i>								Job / SDG No	
Site <i>I-80</i>								<i>500-232206</i>	
P O #									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.			Sample Specific Notes
<i>11</i>	Row-48 (0-5) -041323	<i>4/13/23</i>	<i>1025</i>	<i>G</i>	<i>S</i>	<i>6</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>12</i>	Row-49 (0-5) -041323		<i>1040</i>						
<i>13</i>	Row-50 (0-5) -041323		<i>1050</i>						
<i>14</i>	Row-50 (0-5) -041323D		<i>1050</i>						
<i>15</i>	Row-51 (0-5) -041323		<i>1100</i>						
<i>16</i>	Row-52 (0-5) -041323		<i>1130</i>						
<i>17</i>	Row-52 (5-10) -041323		<i>1135</i>						
<i>18</i>	Row-52 (10-15) -041323		<i>1140</i>						
<i>19</i>	Row-53 (0-5) -041323		<i>1210</i>						
<i>20</i>	Row-53 (5-10) -041323		<i>1215</i>						

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Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name: <u>Western Software</u> Address: <u>308 Knightbridge Plany</u> City/State/Zip: <u>Medford, NJ</u> Phone: _____ Fax: _____ Project Name: <u>10ST 051</u> Site: <u>E-90</u> P O #: _____		Project Manager: <u>A. Slosser</u> Tel/Email: _____		Site Contact: <u>C. Penn</u> Date: <u>4-13-23</u>		COC No: _____ of _____ COCs							
Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Lab Contact: <u>R. Wright</u> Carrier: _____		Sampler: _____ For Lab Use Only: Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/> Job / SDG No: <u>500-232206</u>		Sample Specific Notes							
Sample Identificati <u>500-232206 COC</u>		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N) Perform MS / MSD (Y/N)	VOCs SVOCs Total Metals TCLP / SPC methods PAH					
1	Row-37(05)-041323	4/13/23	0730	G	S	6		X	X	X	X	X	
2	Row-38(05)-041323		0745					X	X	X	X	X	
3	Row-38(5-10)-041323		0750					X	X	X	X	X	
4	Row-38-041323		0815	G	W	6		X	X	X			
5	TRIP Blank				W	2		X					
6	Row-39(05)-041323	4/13/23	0840	G	S	6		X	X	X	X	X	
7	Row-40(05)-041323		0900					X	X	X	X	X	
8	Row-41(05)-041323		0940					X	X	X	X	X	
9	Row-46(05)-041323		1010					X	X	X	X	X	
10	Row-47(05)-041323		1020					X	X	X	X	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other													
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample								Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
<input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown													
Special Instructions/QC Requirements & Comments: <p style="text-align: right;">5.8 → 4.7, 5.5 → 4.4, 5.8 → 4.7</p>													
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C). Obs'd _____		Corr'd _____		Therm ID No _____					
Relinquished by <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>4/13/23/1645</u>		Received by <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23/1645</u>			
Relinquished by <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23/1802</u>		Received by _____		Company: _____		Date/Time: _____			
Relinquished by _____		Company: _____		Date/Time: _____		Received by Laboratory by <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23/1802</u>			

Chain of Custody Record

538482



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager <i>A Slesces</i>		Site Contact <i>C Penn</i>		Date <i>4/13/23</i>		COC No							
Company Name <i>Weston Solotho</i>		Tel/Email:		Lab Contact <i>R. W...</i>		Carrier		2 of 4 COCs							
Address <i>300 Kirtlandville Plany</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day													
City/State/Zip <i>Chedoke, Pa</i>															
Phone:															
Fax:															
Project Name <i>Root 051</i>															
Site <i>I-80</i>		P O #		Job / SDG No <i>500-232206</i>		Sample Specific Notes									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	SVOCs	Total Metals	TEP/SEP Metals	pH		
<i>11</i>	<i>12</i>	<i>13</i>	<i>14</i>	<i>15</i>	<i>16</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>						
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other															
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample								Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
<input checked="" type="checkbox"/> Non Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown								<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months							
Special Instructions/QC Requirements & Comments:															
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				Custody Seal No _____				Cooler Temp (°C) Obs'd _____ Corr'd _____				Therm ID No _____			
Relinquished by <i>[Signature]</i>				Company <i>WS</i>		Date/Time <i>4/13/23/1800</i>		Received by <i>[Signature]</i>				Company <i>EETA</i>		Date/Time <i>4/13/23 1645</i>	
Relinquished by <i>[Signature]</i>				Company <i>EETA</i>		Date/Time <i>4/13/23</i>		Received by <i>[Signature]</i>				Company <i>EETA</i>		Date/Time <i>1802</i>	
Relinquished by <i>[Signature]</i>				Company <i>EETA</i>		Date/Time <i>4/13/23</i>		Received in Laboratory by <i>[Signature]</i>				Company <i>EETA</i>		Date/Time <i>4/13/23 1802</i>	

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/27/2023 9:45:55 AM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-232207-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-232207-1	ROW-53(10-15)-041323	Solid	04/13/23 12:20	04/13/23 18:02
500-232207-2	ROW-54(0-5)-041323	Solid	04/13/23 12:40	04/13/23 18:02
500-232207-3	ROW-55(0-5)-041323	Solid	04/13/23 13:00	04/13/23 18:02
500-232207-4	ROW-55(5-10)-041323	Solid	04/13/23 13:05	04/13/23 18:02
500-232207-5	ROW-55(10-15)-041323	Solid	04/13/23 13:10	04/13/23 18:02
500-232207-6	ROW-56(0-5)-041323	Solid	04/13/23 13:30	04/13/23 18:02
500-232207-7	ROW-56(0-5)-041323D	Solid	04/13/23 13:30	04/13/23 18:02
500-232207-8	ROW-62(0-5)-041323	Solid	04/13/23 13:50	04/13/23 18:02
500-232207-9	ROW-62(5-10)-041323	Solid	04/13/23 13:55	04/13/23 18:02
500-232207-10	ROW-62(10-15)-041323	Solid	04/13/23 14:00	04/13/23 18:02
500-232207-11	ROW-63(0-5)-041323	Solid	04/13/23 14:30	04/13/23 18:02
500-232207-12	ROW-64(0-5)-041323	Solid	04/13/23 14:50	04/13/23 18:02
500-232207-13	ROW-65(0-5)-041323	Solid	04/13/23 15:00	04/13/23 18:02
500-232207-14	ROW-65(5-10)-041323	Solid	04/13/23 15:05	04/13/23 18:02
500-232207-15	RC-6(0-5)-041323	Solid	04/13/23 15:45	04/13/23 18:02



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-53(10-15)-041323

Lab Sample ID: 500-232207-1

Date Collected: 04/13/23 12:20

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0080	J	0.018	0.0080	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Bromoform	<0.0018		0.0018	0.00054	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Carbon disulfide	<0.0046		0.0046	0.00096	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Chlorobenzene	<0.0018		0.0018	0.00068	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Chloroform	<0.0018		0.0018	0.00064	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Chloromethane	<0.0046		0.0046	0.0018	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
1,2-Dichloropropane	<0.0018		0.0018	0.00048	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00065	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0020	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Styrene	<0.0018		0.0018	0.00056	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00059	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Tetrachloroethene	<0.0018		0.0018	0.00063	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00065	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00062	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00079	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	✱	04/14/23 20:00	04/19/23 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	04/14/23 20:00	04/19/23 03:49	1
Dibromofluoromethane (Surr)	95		75 - 126	04/14/23 20:00	04/19/23 03:49	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 134	04/14/23 20:00	04/19/23 03:49	1
Toluene-d8 (Surr)	92		75 - 124	04/14/23 20:00	04/19/23 03:49	1

Method: SW846 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	✱	04/25/23 13:29	04/26/23 19:29	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✱	04/25/23 13:29	04/26/23 19:29	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-53(10-15)-041323

Lab Sample ID: 500-232207-1

Date Collected: 04/13/23 12:20

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.0

Method: SW846 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	✳	04/25/23 13:29	04/26/23 19:29	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
2-Methylnaphthalene	<0.076		0.076	0.0070	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1
Hexachloroethane	<0.19	F1	0.19	0.057	mg/Kg	✳	04/25/23 13:29	04/26/23 19:29	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-53(10-15)-041323

Lab Sample ID: 500-232207-1

Date Collected: 04/13/23 12:20

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.0

Method: SW846 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	☼	04/25/23 13:29	04/26/23 19:29	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	04/25/23 13:29	04/26/23 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	49		31 - 143	04/25/23 13:29	04/26/23 19:29	1
2-Fluorobiphenyl (Surr)	71		43 - 145	04/25/23 13:29	04/26/23 19:29	1
2-Fluorophenol (Surr)	69		31 - 166	04/25/23 13:29	04/26/23 19:29	1
Nitrobenzene-d5 (Surr)	78		37 - 147	04/25/23 13:29	04/26/23 19:29	1
Phenol-d5 (Surr)	67		30 - 153	04/25/23 13:29	04/26/23 19:29	1
Terphenyl-d14 (Surr)	73		42 - 157	04/25/23 13:29	04/26/23 19:29	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 20:41	1
Barium	0.69		0.50	0.050	mg/L		04/18/23 17:10	04/19/23 20:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 20:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 20:41	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:41	1
Cobalt	0.011	J	0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:41	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:41	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 20:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 20:41	1
Manganese	7.0		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:41	1
Nickel	0.011	J	0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:41	1
Selenium	0.024	J	0.050	0.020	mg/L		04/18/23 17:10	04/19/23 20:41	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:41	1
Zinc	<0.50		0.50	0.020	mg/L		04/18/23 17:10	04/19/23 20:41	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		04/18/23 17:11	04/25/23 00:31	1
Barium	0.15	J	0.50	0.050	mg/L		04/18/23 17:11	04/25/23 00:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 00:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 00:31	1
Chromium	0.037		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:31	1
Cobalt	0.016	J	0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:31	1
Copper	0.038		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:31	1
Iron	38		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 00:31	1
Lead	0.013		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 00:31	1
Manganese	0.59		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:31	1
Nickel	0.039		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:31	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 00:31	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-53(10-15)-041323

Lab Sample ID: 500-232207-1

Date Collected: 04/13/23 12:20

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.0

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:31	1
Zinc	0.090	J	0.50	0.020	mg/L		04/18/23 17:11	04/25/23 00:31	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		11	4.5	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Antimony	0.38	J	1.1	0.22	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Arsenic	8.0		0.56	0.19	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Barium	59	B	0.56	0.063	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Beryllium	0.79	B	0.22	0.052	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Cadmium	0.16	B	0.11	0.020	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Calcium	53000	B	56	9.4	mg/Kg	☆	04/20/23 09:34	04/25/23 14:41	5
Chromium	15		0.56	0.28	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Cobalt	11		0.28	0.073	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Copper	20		0.56	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Iron	21000		11	5.8	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Lead	13		0.28	0.13	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Magnesium	23000		5.6	2.8	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Manganese	570		0.56	0.081	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Nickel	26		0.56	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Potassium	2000		28	9.9	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Silver	0.29		0.28	0.072	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Sodium	110		56	8.2	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Thallium	0.61		0.56	0.28	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Vanadium	22	B	0.28	0.066	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1
Zinc	61		1.1	0.49	mg/Kg	☆	04/20/23 09:34	04/24/23 21:40	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/18/23 15:10	04/19/23 09:47	1

Method: SW846 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		04/18/23 15:10	04/19/23 11:53	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.019	0.0098	mg/Kg	☆	04/21/23 15:35	04/24/23 07:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/17/23 19:34	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	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.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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.
S1-	Surrogate recovery exceeds control limits, low biased.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

1

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Chain of Custody Record

538483



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name: <u>Western Solutions</u> Address: <u>300 Knightbridge Plany</u> City/State/Zip: <u>Medford, OR</u> Phone: _____ Fax: _____ Project Name: <u>2205 05</u> Site: <u>280</u> P O #: _____		Project Manager: <u>A. Slesers</u> Tel/Email: _____		Site Contact: <u>C. Penn</u> Date: <u>4/13/23</u>		COC No: _____ 3 of 4 COCs					
Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Lab Contact: <u>R Wright</u> Carrier: _____		Sampler: _____ For Lab Use Only: Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>		Job / SDG No: <u>500-232207</u>					
Sample Identification 500-232207 Waybi		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N) Perform MS /MSD (Y/N)	VOCs SVOCs Total Metals TCLP / SPC Metals pH	Sample Specific Notes		
1	Row-53 (10-5) -041323	4/13/23	1220	G	S	6		X X X X X			
2	Row-54 (0-5) -041323		1240								
3	Row-55 (0-5) -041323		1300								
4	Row-55 (5-10) -041323		1305								
5	Row-55 (10-15) -041323		1310								
6	Row-56 (0-5) -041323		1330								
7	Row-56 (0-5) -041323D		1330								
8	Row-62 (0-5) -041323		1350								
9	Row-62 (5-10) -041323		1355								
10	Row-62 (10-15) -041323		1400								
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other								Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown								Special Instructions/QC Requirements & Comments: <u>5.8 -> 4.7, 5.5 -> 4.4, 5.8 -> 4.7</u>			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No. _____		Cooler Temp. (°C): Obs'd _____ Corr'd _____		Therm ID No _____					
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>4/13/23 1645</u>		Received by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1645</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1802</u>		Received by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1802</u>	
Relinquished by: <u>[Signature]</u>		Company: _____		Date/Time: _____		Received in Laboratory by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: _____	

Chain of Custody Record 641360



Environment Testing
America

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <i>A. Steeles</i>		Site Contact: <i>Capen</i>		Date: <i>4.13.23</i>		COC No							
Company Name <i>W. J. Steeles</i>		Tel/Email:		Lab Contact: <i>R. W. F. M.</i>		Carrier		4 of 4 COCs							
Address <i>380 Knightbridge Drive</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day													
City/State/Zip <i>Chesham, DC</i>															
Phone															
Fax															
Project Name <i>RDOT 051</i>															
Site <i>P 30</i>		P O #		Filtered Sample (Y/N) Perform MS / MSD (Y/N) <i>NOES</i> <i>SUES</i> <i>Total Metals</i> <i>TECP / SDP metals</i> <i>PTH</i>		Sampler		For Lab Use Only							
Walk-in Client		Lab Sampling				Job / SDG No		500-232207							
Sample Identification		Sample Date				Sample Time		Sample Type (C=Comp, G=Grab)		Matrix		# of Cont.		Sample Specific Notes	
<i>Row-63 (0-5)-041323</i>		<i>4.13.23</i>				<i>1430</i>		<i>G</i>		<i>S</i>		<i>6</i>			
<i>Row-64 (0-5)-041323</i>						<i>1450</i>									
<i>Row-65 (0-5)-041323</i>				<i>1500</i>											
<i>Row-65 (5-10)-041323</i>				<i>1505</i>											
<i>RC-6 (0-5)-041323</i>				<i>1545</i>											
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other										Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments:															
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				Custody Seal No				Cooler Temp (°C) Obs'd _____ Corr'd _____				Therm ID No _____			
Relinquished by: <i>[Signature]</i>		Company: <i>NS</i>		Date/Time: <i>4.13.23/1802</i>		Received by: <i>M. J. Ellison</i>		Company: <i>EETA</i>		Date/Time: <i>4/13/23 1645</i>					
Relinquished by: <i>M. J. Ellison</i>		Company: <i>EETA</i>		Date/Time: <i>4/13/23 1802</i>		Received by:		Company:		Date/Time:					
Relinquished by: <i>[Signature]</i>		Company:		Date/Time:		Received in Laboratory by: <i>[Signature]</i>		Company: <i>EETA</i>		Date/Time: <i>4/13/23 1802</i>					





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 80 (I-80) - e/o River Rd to w/o Houbolt Rd Office Phone Number, if available: _____

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

I-80 Bridge over W. Frontage Road (ISGS Site 2233V3-1)

City: Various State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.48621 Longitude: - 88.20385
(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.): 2,625

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-13, ROW-61, AND ROW-62 WERE SAMPLED AT THE I-80 BRIDGE OVER W. FRONTAGE ROAD. SEE FIGURE 3-4, AND TABLE 4-1 OF THE 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]:

EUROFINS ANALYTICAL REPORTS - JOB ID: 500-231241-1, 500-231292-1, AND 500-232207-1. ALSO SEE FIGURE 4-4 OF THE PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

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

Company Name: Weston Solutions, Inc.
Street Address: 300 Knightsbridge Parkway; Suite 360
City: Lincolnshire State: IL Zip Code: 60069
Phone: (224) 864-7200

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


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

7 June 2023
Date:



**Summary Table - I-80 ROW - Bridge over W. Frontage Road (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	ROW-13	ROW-13	ROW-13	ROW-13	ROW-61	ROW-62	ROW-62	ROW-62
Field Sample ID		ROW-13(0-5)-032723	ROW-13(0-5)-032723D	ROW-13(5-10)-032723	ROW-13(10-15)-032723	ROW-61(0-5)-032423	ROW-62(0-5)-041323	ROW-62(5-10)-041323	ROW-62(10-15)-041323
Sample Date		3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/24/2023	4/13/2023	4/13/2023	4/13/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
Laboratory pH	<6.25, >9.0	8.8	8.5	7.8	7.9	8.8	7.8	7.8	7.4
VOCs (mg/kg)									
1,2-Dichloroethane	0.02	ND	ND	0.0024 J	ND	ND	ND	ND	ND
Acetone	25	ND	0.011 J	ND	ND	ND	0.015 J	0.011 J	ND
Toluene	12	ND	ND	ND	ND	ND	ND	ND	0.00099 J
SVOCs (mg/kg)									
Anthracene	12000	ND	0.014 J	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	ND	0.053	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.09 / 11 / 2.1	ND	0.055	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9 / 13 / 2.1	ND	0.062	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	---	ND	0.062	ND	ND	0.013 J	ND	ND	ND
Chrysene	88	ND	0.047	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	0.023 J	0.083	0.011 J	0.0078 J	ND	ND	0.0073 J	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	ND	0.046	ND	ND	ND	ND	ND	ND
Phenanthrene	---	ND	0.054	ND	ND	0.0079 J	0.022 J	ND	0.032 J
Pyrene	2300	0.029 J	0.088	0.0094 J	0.012 J	ND	ND	0.011 J	ND
Total Metals (mg/kg)									
Aluminum, Total	---	9400	7900	12000	13000	12000	10000	15000	13000
Antimony, Total	5	0.38 J	0.53 J	0.34 J	0.36 J	ND	0.33 J	0.35 J	0.39 J
Arsenic, Total	11.3 / 13	6.7	6.8	5.7	7.3	7.6	8.7	6.2	5.6
Barium, Total	1500	65	73	72	72	78	46 B	120 B	87 B
Beryllium, Total	22	0.68	0.63	0.75	0.84	0.78	0.76 J	0.87 J	0.87 J
Cadmium, Total	5.2	0.27	0.26	0.2	0.2	0.18	0.17 J	0.21 J	0.13 J
Calcium, Total	---	66000 B	74000 B	75000 B	60000 B	35000 B	65000 B	17000	51000 B
Chromium, Total	21	15	14	16	18	17	15	17	17
Cobalt, Total	20	8.5	9.2	8.6	10	12	12	7.6	12
Copper, Total	2900	20	19	17	22	18	21	17	20
Iron, Total	15000 / 15900	17000	19000	16000	20000	20000	19000	20000	19000
Lead, Total	107	24	24	12	15	14	12	18	13
Magnesium, Total	325000	29000	41000	31000	24000	16000	28000	11000	27000
Manganese, Total	630 / 636	360	570	310	330	470	370	230	400
Mercury, Total	0.89	0.023	0.027	0.031	0.03	0.026	0.015 J	0.026	0.022
Nickel, Total	100	21	25	22	27	27	29	21	29
Potassium, Total	---	1600	1600	2200	2500	2000	2300	1400	3300
Selenium, Total	1.3	ND	ND	0.7	ND	0.45 J	0.35 J	ND	ND
Silver, Total	4.4	0.18 J	0.19 J	0.22 J	0.29 J	0.32	0.28	0.39	0.26 J
Sodium, Total	---	610	500	170	340	1100	860	1300	520
Thallium, Total	2.6	ND	ND	ND	ND	ND	0.67	0.61	0.73
Vanadium, Total	550	20	20	23	26	25	20 B	30 B	23 B
Zinc, Total	5100	81	66	54	58	55	59	67	54

**Summary Table - I-80 ROW - Bridge over W. Frontage Road (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	ROW-13	ROW-13	ROW-13	ROW-13	ROW-61	ROW-62	ROW-62	ROW-62
Field Sample ID		ROW-13(0-5)-032723	ROW-13(0-5)-032723D	ROW-13(5-10)-032723	ROW-13(10-15)-032723	ROW-61(0-5)-032423	ROW-62(0-5)-041323	ROW-62(5-10)-041323	ROW-62(10-15)-041323
Sample Date		3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/24/2023	4/13/2023	4/13/2023	4/13/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)									
Arsenic, TCLP	0.05	ND	ND	0.012 J	ND	ND	ND	ND	ND
Barium, TCLP	2	0.63	0.65	0.61	0.61	0.72	0.68	0.62	0.4 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	0.0027 J	0.0021 J	0.0039 J	0.0031 J	ND	ND	0.0028 J	0.0024 J
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.016 J	0.011 J	0.049	0.02 J	0.021 J	ND	0.041	0.046
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND	ND	ND	0.65	0.64
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	5.3	3.9	5.8	3.5	7.3	4.8	8	5.5
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.02 J	0.02 J	0.052	0.055	0.017 J	0.017 J	0.039	0.04
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	0.066 J	0.033 J	0.022 J	0.02 J	0.022 J	ND	0.056 J	0.027 J
SPLP Metals (mg/l)									
Arsenic, SPLP	0.05	0.064	0.081	0.041 J	0.022 J	0.1	0.077	0.066	0.024 J
Barium, SPLP	2	0.75	0.79	0.37 J	0.28 J	0.89	0.9	0.96	0.17 J
Beryllium, SPLP	0.004	0.0092	0.0097	0.0044	ND	0.011	0.0096	0.0093	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.19	0.2	0.092	0.067	0.23	0.2	0.19	0.06
Cobalt, SPLP	1	0.1	0.1	0.029	0.013 J	0.096	0.079	0.083	0.033
Copper, SPLP	0.65	0.23	0.25	0.091	0.057	0.26	0.23	0.19	0.065
Iron, SPLP	5	180	210	93	61	240	220	200	57
Lead, SPLP	0.0075	0.2	0.2	0.049	0.028	0.11	0.098	0.1	0.027
Manganese, SPLP	0.15	1.9	1.9	0.7	0.25	2.7	1.5	2.1	0.45
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.26	0.26	0.098	0.055	0.29	0.25	0.23	0.074
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.57	0.76	0.23 J	0.14 J	0.63	0.65	0.65	0.15 J

Notes and Abbreviations:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/7/2023 9:33:17 AM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231241-1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-61(0-5)-032423

Lab Sample ID: 500-231241-1

Date Collected: 03/24/23 03:30

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0064	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Bromomethane	<0.0037	*	0.0037	0.0014	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Carbon disulfide	<0.0037		0.0037	0.00077	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Ethylbenzene	<0.0015		0.0015	0.00071	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0016	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00065	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Vinyl chloride	<0.0015		0.0015	0.00065	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Xylenes, Total	<0.0030		0.0030	0.00047	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		75 - 131	03/24/23 17:35	04/03/23 18:10	1
Dibromofluoromethane (Surr)	101		75 - 126	03/24/23 17:35	04/03/23 18:10	1
1,2-Dichloroethane-d4 (Surr)	123		70 - 134	03/24/23 17:35	04/03/23 18:10	1
Toluene-d8 (Surr)	114		75 - 124	03/24/23 17:35	04/03/23 18:10	1

Method: SW846 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	☆	04/03/23 13:25	04/05/23 11:43	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	04/03/23 13:25	04/05/23 11:43	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	04/03/23 13:25	04/05/23 11:43	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☆	04/03/23 13:25	04/05/23 11:43	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	04/03/23 13:25	04/05/23 11:43	1

Euofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-61(0-5)-032423

Lab Sample ID: 500-231241-1

Date Collected: 03/24/23 03:30

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.3

Method: SW846 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	✳	04/03/23 13:25	04/05/23 11:43	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Benzo[g,h,i]perylene	0.013	J	0.038	0.012	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-61(0-5)-032423

Lab Sample ID: 500-231241-1

Date Collected: 03/24/23 03:30

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.3

Method: SW846 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	☼	04/03/23 13:25	04/05/23 11:43	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.046	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Phenanthrene	0.0079	J	0.038	0.0053	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	112		31 - 143	04/03/23 13:25	04/05/23 11:43	1
2-Fluorobiphenyl (Surr)	87		43 - 145	04/03/23 13:25	04/05/23 11:43	1
2-Fluorophenol (Surr)	123		31 - 166	04/03/23 13:25	04/05/23 11:43	1
Nitrobenzene-d5 (Surr)	124		37 - 147	04/03/23 13:25	04/05/23 11:43	1
Phenol-d5 (Surr)	97		30 - 153	04/03/23 13:25	04/05/23 11:43	1
Terphenyl-d14 (Surr)	91		42 - 157	04/03/23 13:25	04/05/23 11:43	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Barium	0.72		0.50	0.050	mg/L		03/30/23 17:00	03/31/23 16:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:00	03/31/23 16:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:00	03/31/23 16:34	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Cobalt	0.021	J	0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:00	03/31/23 16:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:00	03/31/23 16:34	1
Manganese	7.3		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Nickel	0.017	J	0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:00	03/31/23 16:34	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Zinc	0.022	J	0.50	0.020	mg/L		03/30/23 17:00	03/31/23 16:34	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.10		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Barium	0.89		0.50	0.050	mg/L		03/30/23 17:01	04/03/23 13:41	1
Beryllium	0.011		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 13:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 13:41	1
Chromium	0.23		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Cobalt	0.096		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Copper	0.26		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Iron	240		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 13:41	1
Lead	0.11		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 13:41	1
Manganese	2.7		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Nickel	0.29		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 13:41	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-61(0-5)-032423

Lab Sample ID: 500-231241-1

Date Collected: 03/24/23 03:30

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Zinc	0.63		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 13:41	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		12	4.8	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Antimony	0.58	J B	1.2	0.23	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Arsenic	7.6		0.58	0.20	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Barium	78		0.58	0.066	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Beryllium	0.78		0.23	0.054	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Cadmium	0.18		0.12	0.021	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Calcium	35000	B	12	2.0	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Chromium	17		0.58	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Cobalt	12		0.29	0.076	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Copper	18		0.58	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Iron	20000		12	6.1	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Lead	14		0.29	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Magnesium	16000		5.8	2.9	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Manganese	470		0.58	0.084	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Nickel	27		0.58	0.17	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Potassium	2000		29	10	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Selenium	0.45	J	0.58	0.34	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Silver	0.32		0.29	0.075	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Sodium	1100		58	8.6	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Vanadium	25		0.29	0.069	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Zinc	55		1.2	0.51	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/30/23 14:15	03/31/23 13:09	1

Method: SW846 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		03/30/23 14:15	03/31/23 12:31	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0094	mg/Kg	☆	03/29/23 15:40	03/30/23 08:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.8		0.2	0.2	SU			03/29/23 17:26	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery 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
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
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, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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Chain of Custody Record

538480




Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <i>A. Sisco</i>		Site Contact: <i>C. Ponce</i>		Date: <i>3-24-23</i>		COC No			
Company Name: <i>Weston Solutions</i>		Tel/Email		Lab Contact: <i>R. Woodruff</i>		Carrier		8 of 3 COCs			
Address: <i>300 Kiplingridge Pkwy Ste 300</i>		Analysis Turnaround Time									
City/State/Zip: <i>Emeryville, OH 44009</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day									
Phone		Filtered Sample (Y/N) Perform MS/MSD (Y/N) VOCs SVOCs Total Metals TSS/S&P Metals pH		 500 231241 COC		For Lab Use Only		Sampler			
Fax						Walk-in Client		Lab Sampling			
Project Name: <i>EDOT 051</i>						Job / SDG No		500-231241			
Site: <i>I-80</i>						Sample Specific Notes					
P O #											

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	VOCs	SVOCs	Total Metals	TSS/S&P Metals	pH
1 ROW-61(0-5)-032423	3-24-23	0330	G	S	6			X	X	X	X	
2 ROW-61-032423	↓	0400	↓	W	6			↓	↓	↓	↓	
3 Trip Blank	-	-	-	W	2			↓	↓	↓	↓	
4 ROW-59(0-5)-032423D	3-24-23	0100	G	S	6			X	X	X	X	
5 ROW-58(0-5)-032423D	↓	0255	↓	↓	↓			X	X	X	X	

Added by *BEETA*

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other _____

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

Non-Hazardous Flammable Skin Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments: *22-711, 24-713*

Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No	Cooler Temp. (°C) Obs'd _____ Corr'd _____	Therm ID No _____
Relinquished by: <i>[Signature]</i>	Company: <i>WS</i>	Date/Time: <i>3-24-23/1320</i>	Received by: <i>[Signature]</i>
Relinquished by: <i>[Signature]</i>	Company: <i>BEETA</i>	Date/Time: <i>3-24-23/1425</i>	Received by: <i>[Signature]</i>
Relinquished by: <i>[Signature]</i>	Company: <i>BEETA</i>	Date/Time: <i>3/24/23 1425</i>	Received by: <i>[Signature]</i>

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/7/2023 3:03:19 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231292-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231292-1	ROW-12(10-15)-032723	Solid	03/27/23 13:55	03/27/23 16:50
500-231292-2	ROW-12(15-18)-032723	Solid	03/27/23 14:00	03/27/23 16:50
500-231292-3	ROW-13(0-5)-032723	Solid	03/27/23 14:25	03/27/23 16:50
500-231292-4	ROW-13(0-5)-032723D	Solid	03/27/23 14:25	03/27/23 16:50
500-231292-5	ROW-13(5-10)-032723	Solid	03/27/23 14:30	03/27/23 16:50
500-231292-6	ROW-13(10-15)-032723	Solid	03/27/23 14:35	03/27/23 16:50
500-231292-7	ROW-14(0-5)-032723	Solid	03/27/23 14:50	03/27/23 16:50
500-231292-8	ROW-14(5-10)-032723	Solid	03/27/23 14:55	03/27/23 16:50
500-231292-9	ROW-14(10-15)-032723	Solid	03/27/23 15:00	03/27/23 16:50
500-231292-10	ROW-17(0-5)-032723	Solid	03/27/23 15:15	03/27/23 16:50
500-231292-11	ROW-16(0-5)-032723	Solid	03/27/23 15:30	03/27/23 16:50

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723

Lab Sample ID: 500-231292-3

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0071	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Carbon disulfide	<0.0041		0.0041	0.00084	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 131	03/28/23 16:48	04/04/23 12:58	1
Dibromofluoromethane (Surr)	91		75 - 126	03/28/23 16:48	04/04/23 12:58	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/28/23 16:48	04/04/23 12:58	1
Toluene-d8 (Surr)	90		75 - 124	03/28/23 16:48	04/04/23 12:58	1

Method: SW846 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	☆	04/04/23 09:02	04/06/23 15:44	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	04/04/23 09:02	04/06/23 15:44	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	04/04/23 09:02	04/06/23 15:44	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☆	04/04/23 09:02	04/06/23 15:44	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☆	04/04/23 09:02	04/06/23 15:44	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723

Lab Sample ID: 500-231292-3

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 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	✳	04/04/23 09:02	04/06/23 15:44	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Carbazole	<0.20		0.20	0.10	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Chrysene	<0.040		0.040	0.011	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Fluoranthene	0.023	J	0.040	0.0074	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723

Lab Sample ID: 500-231292-3

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 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	☼	04/04/23 09:02	04/06/23 15:44	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Pyrene	0.029	J	0.040	0.0079	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	68		31 - 143	04/04/23 09:02	04/06/23 15:44	1
2-Fluorobiphenyl (Surr)	72		43 - 145	04/04/23 09:02	04/06/23 15:44	1
2-Fluorophenol (Surr)	71		31 - 166	04/04/23 09:02	04/06/23 15:44	1
Nitrobenzene-d5 (Surr)	75		37 - 147	04/04/23 09:02	04/06/23 15:44	1
Phenol-d5 (Surr)	72		30 - 153	04/04/23 09:02	04/06/23 15:44	1
Terphenyl-d14 (Surr)	88		42 - 157	04/04/23 09:02	04/06/23 15:44	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Barium	0.63		0.50	0.050	mg/L		03/31/23 18:28	04/03/23 21:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:28	04/03/23 21:17	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		03/31/23 18:28	04/03/23 21:17	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Cobalt	0.016	J	0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:28	04/03/23 21:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:28	04/03/23 21:17	1
Manganese	5.3		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Nickel	0.020	J	0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:28	04/03/23 21:17	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Zinc	0.066	J	0.50	0.020	mg/L		03/31/23 18:28	04/03/23 21:17	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.064		0.050	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Barium	0.75		0.50	0.050	mg/L		03/31/23 18:30	04/03/23 20:00	1
Beryllium	0.0092		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 20:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 20:00	1
Chromium	0.19		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Cobalt	0.10		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Copper	0.23		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Iron	180		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 20:00	1
Lead	0.20		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 20:00	1
Manganese	1.9		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Nickel	0.26		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 20:00	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723

Lab Sample ID: 500-231292-3

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Zinc	0.57		0.50	0.020	mg/L		03/31/23 18:30	04/03/23 20:00	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9400		12	4.9	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Antimony	0.38	J	1.2	0.23	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Arsenic	6.7		0.60	0.20	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Barium	65		0.60	0.068	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Beryllium	0.68		0.24	0.056	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Cadmium	0.27		0.12	0.021	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Calcium	66000	B	60	10	mg/Kg	☆	04/03/23 10:36	04/05/23 13:52	5
Chromium	15		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Cobalt	8.5		0.30	0.078	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Copper	20		0.60	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Iron	17000		12	6.2	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Lead	24		0.30	0.14	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Magnesium	29000		6.0	3.0	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Manganese	360		0.60	0.087	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Nickel	21		0.60	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Potassium	1600		30	11	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Selenium	<0.60		0.60	0.35	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Silver	0.18	J	0.30	0.077	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Sodium	610		60	8.8	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Vanadium	20		0.30	0.070	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Zinc	81		1.2	0.52	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 14:08	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:54	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.019	0.010	mg/Kg	☆	03/30/23 16:50	03/31/23 08:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.8		0.2	0.2	SU			03/29/23 17:53	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723D

Lab Sample ID: 500-231292-4

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	J	0.014	0.0062	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Bromoform	<0.0014		0.0014	0.00042	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Bromomethane	<0.0036		0.0036	0.0013	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Carbon disulfide	<0.0036		0.0036	0.00074	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Chlorobenzene	<0.0014		0.0014	0.00052	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Chloroethane	<0.0036	*-	0.0036	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Chloroform	<0.0014		0.0014	0.00049	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Chloromethane	<0.0036		0.0036	0.0014	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Dibromochloromethane	<0.0014		0.0014	0.00046	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00045	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Tetrachloroethene	<0.0014		0.0014	0.00048	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Xylenes, Total	<0.0028		0.0028	0.00045	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		75 - 131	03/28/23 16:48	04/03/23 16:39	1
Dibromofluoromethane (Surr)	120		75 - 126	03/28/23 16:48	04/03/23 16:39	1
1,2-Dichloroethane-d4 (Surr)	125		70 - 134	03/28/23 16:48	04/03/23 16:39	1
Toluene-d8 (Surr)	118		75 - 124	03/28/23 16:48	04/03/23 16:39	1

Method: SW846 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	☼	04/04/23 09:02	04/06/23 16:10	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723D

Lab Sample ID: 500-231292-4

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.1

Method: SW846 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	✳	04/04/23 09:02	04/06/23 16:10	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Anthracene	0.014	J	0.038	0.0063	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Benzo[a]anthracene	0.053		0.038	0.0051	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Benzo[a]pyrene	0.055		0.038	0.0074	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Benzo[b]fluoranthene	0.062		0.038	0.0082	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Benzo[g,h,i]perylene	0.062		0.038	0.012	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Chrysene	0.047		0.038	0.010	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Fluoranthene	0.083		0.038	0.0070	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723D

Lab Sample ID: 500-231292-4

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.046		0.038	0.0098	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.046	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Phenanthrene	0.054		0.038	0.0053	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Pyrene	0.088		0.038	0.0075	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	69		31 - 143				04/04/23 09:02	04/06/23 16:10	1
2-Fluorobiphenyl (Surr)	69		43 - 145				04/04/23 09:02	04/06/23 16:10	1
2-Fluorophenol (Surr)	68		31 - 166				04/04/23 09:02	04/06/23 16:10	1
Nitrobenzene-d5 (Surr)	69		37 - 147				04/04/23 09:02	04/06/23 16:10	1
Phenol-d5 (Surr)	69		30 - 153				04/04/23 09:02	04/06/23 16:10	1
Terphenyl-d14 (Surr)	84		42 - 157				04/04/23 09:02	04/06/23 16:10	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Barium	0.65		0.50	0.050	mg/L		03/31/23 18:28	04/03/23 21:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:28	04/03/23 21:20	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		03/31/23 18:28	04/03/23 21:20	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Cobalt	0.011	J	0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:28	04/03/23 21:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:28	04/03/23 21:20	1
Manganese	3.9		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Nickel	0.020	J	0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:28	04/03/23 21:20	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Zinc	0.033	J	0.50	0.020	mg/L		03/31/23 18:28	04/03/23 21:20	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.081		0.050	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Barium	0.79		0.50	0.050	mg/L		03/31/23 18:30	04/03/23 20:03	1
Beryllium	0.0097		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 20:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 20:03	1
Chromium	0.20		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Cobalt	0.10		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Copper	0.25		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Iron	210		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 20:03	1
Lead	0.20		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 20:03	1
Manganese	1.9		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Nickel	0.26		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 20:03	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723D

Lab Sample ID: 500-231292-4

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Zinc	0.76		0.50	0.020	mg/L		03/31/23 18:30	04/03/23 20:03	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7900		12	4.8	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Antimony	0.53	J	1.2	0.23	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Arsenic	6.8		0.58	0.20	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Barium	73		2.9	0.33	mg/Kg	☆	04/03/23 10:36	04/05/23 13:55	5
Beryllium	0.63		0.23	0.055	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Cadmium	0.26		0.12	0.021	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Calcium	74000	B	58	9.9	mg/Kg	☆	04/03/23 10:36	04/05/23 13:55	5
Chromium	14		0.58	0.29	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Cobalt	9.2		0.29	0.077	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Copper	19		0.58	0.16	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Iron	19000		58	30	mg/Kg	☆	04/03/23 10:36	04/05/23 13:55	5
Lead	24		0.29	0.13	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Magnesium	41000		29	14	mg/Kg	☆	04/03/23 10:36	04/05/23 13:55	5
Manganese	570		0.58	0.085	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Nickel	25		0.58	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Potassium	1600		29	10	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Silver	0.19	J	0.29	0.075	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Sodium	500		58	8.6	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Vanadium	20		0.29	0.069	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Zinc	66		1.2	0.51	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 14:10	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:56	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.018	0.0097	mg/Kg	☆	03/30/23 16:50	03/31/23 08:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.2	0.2	SU			03/29/23 17:58	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(5-10)-032723

Lab Sample ID: 500-231292-5

Date Collected: 03/27/23 14:30

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0069	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Chloroethane	<0.0040	*	0.0040	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,2-Dichloroethane	0.0024	J	0.0040	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		75 - 131	03/28/23 16:48	04/03/23 17:04	1
Dibromofluoromethane (Surr)	121		75 - 126	03/28/23 16:48	04/03/23 17:04	1
1,2-Dichloroethane-d4 (Surr)	128		70 - 134	03/28/23 16:48	04/03/23 17:04	1
Toluene-d8 (Surr)	121		75 - 124	03/28/23 16:48	04/03/23 17:04	1

Method: SW846 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	☆	04/04/23 09:02	04/06/23 16:36	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(5-10)-032723

Lab Sample ID: 500-231292-5

Date Collected: 03/27/23 14:30

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 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	✱	04/04/23 09:02	04/06/23 16:36	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Carbazole	<0.20		0.20	0.10	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Chrysene	<0.040		0.040	0.011	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Fluoranthene	0.011	J	0.040	0.0075	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	✱	04/04/23 09:02	04/06/23 16:36	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(5-10)-032723

Lab Sample ID: 500-231292-5

Date Collected: 03/27/23 14:30

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 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	☼	04/04/23 09:02	04/06/23 16:36	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Pyrene	0.0094	J	0.040	0.0080	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	74		31 - 143	04/04/23 09:02	04/06/23 16:36	1
2-Fluorobiphenyl (Surr)	72		43 - 145	04/04/23 09:02	04/06/23 16:36	1
2-Fluorophenol (Surr)	76		31 - 166	04/04/23 09:02	04/06/23 16:36	1
Nitrobenzene-d5 (Surr)	75		37 - 147	04/04/23 09:02	04/06/23 16:36	1
Phenol-d5 (Surr)	75		30 - 153	04/04/23 09:02	04/06/23 16:36	1
Terphenyl-d14 (Surr)	93		42 - 157	04/04/23 09:02	04/06/23 16:36	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Barium	0.61		0.50	0.050	mg/L		03/31/23 18:28	04/03/23 21:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:28	04/03/23 21:56	1
Cadmium	0.0039	J	0.0050	0.0020	mg/L		03/31/23 18:28	04/03/23 21:56	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Cobalt	0.049		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:28	04/03/23 21:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:28	04/03/23 21:56	1
Manganese	5.8		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Nickel	0.052		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:28	04/03/23 21:56	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Zinc	0.022	J	0.50	0.020	mg/L		03/31/23 18:28	04/03/23 21:56	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.041	J	0.050	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Barium	0.37	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 20:06	1
Beryllium	0.0044		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 20:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 20:06	1
Chromium	0.092		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Cobalt	0.029		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Copper	0.091		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Iron	93		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 20:06	1
Lead	0.049		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 20:06	1
Manganese	0.70		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Nickel	0.098		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 20:06	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(5-10)-032723

Lab Sample ID: 500-231292-5

Date Collected: 03/27/23 14:30

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Zinc	0.23	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 20:06	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		12	4.9	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Antimony	0.34	J	1.2	0.23	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Arsenic	5.7		0.60	0.21	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Barium	72		0.60	0.069	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Beryllium	0.75		0.24	0.056	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Cadmium	0.20		0.12	0.022	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Calcium	75000	B	60	10	mg/Kg	☆	04/03/23 10:36	04/05/23 14:05	5
Chromium	16		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Cobalt	8.6		0.30	0.079	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Copper	17		0.60	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Iron	16000		12	6.3	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Lead	12		0.30	0.14	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Magnesium	31000		6.0	3.0	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Manganese	310		0.60	0.087	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Nickel	22		0.60	0.18	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Potassium	2200		30	11	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Selenium	0.70		0.60	0.35	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Silver	0.22	J	0.30	0.078	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Sodium	170		60	8.9	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Vanadium	23		0.30	0.071	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Zinc	54		1.2	0.53	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:29	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:58	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.019	0.010	mg/Kg	☆	03/30/23 16:50	03/31/23 08:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			03/29/23 18:00	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(10-15)-032723

Lab Sample ID: 500-231292-6

Date Collected: 03/27/23 14:35

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 82.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0068	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Chloroethane	<0.0039	*	0.0039	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		75 - 131	03/28/23 16:48	04/03/23 17:29	1
Dibromofluoromethane (Surr)	106		75 - 126	03/28/23 16:48	04/03/23 17:29	1
1,2-Dichloroethane-d4 (Surr)	117		70 - 134	03/28/23 16:48	04/03/23 17:29	1
Toluene-d8 (Surr)	108		75 - 124	03/28/23 16:48	04/03/23 17:29	1

Method: SW846 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	☆	04/04/23 09:02	04/06/23 17:02	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☆	04/04/23 09:02	04/06/23 17:02	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☆	04/04/23 09:02	04/06/23 17:02	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☆	04/04/23 09:02	04/06/23 17:02	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☆	04/04/23 09:02	04/06/23 17:02	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(10-15)-032723

Lab Sample ID: 500-231292-6

Date Collected: 03/27/23 14:35

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 82.4

Method: SW846 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	✱	04/04/23 09:02	04/06/23 17:02	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Fluoranthene	0.0078	J	0.039	0.0072	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✱	04/04/23 09:02	04/06/23 17:02	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(10-15)-032723

Lab Sample ID: 500-231292-6

Date Collected: 03/27/23 14:35

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 82.4

Method: SW846 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	☼	04/04/23 09:02	04/06/23 17:02	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Pyrene	0.012	J	0.039	0.0077	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	61		31 - 143	04/04/23 09:02	04/06/23 17:02	1
2-Fluorobiphenyl (Surr)	62		43 - 145	04/04/23 09:02	04/06/23 17:02	1
2-Fluorophenol (Surr)	61		31 - 166	04/04/23 09:02	04/06/23 17:02	1
Nitrobenzene-d5 (Surr)	64		37 - 147	04/04/23 09:02	04/06/23 17:02	1
Phenol-d5 (Surr)	67		30 - 153	04/04/23 09:02	04/06/23 17:02	1
Terphenyl-d14 (Surr)	79		42 - 157	04/04/23 09:02	04/06/23 17:02	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Barium	0.61		0.50	0.050	mg/L		03/31/23 18:28	04/03/23 21:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:28	04/03/23 21:59	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		03/31/23 18:28	04/03/23 21:59	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Cobalt	0.020	J	0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:28	04/03/23 21:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:28	04/03/23 21:59	1
Manganese	3.5		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Nickel	0.055		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:28	04/03/23 21:59	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Zinc	0.020	J	0.50	0.020	mg/L		03/31/23 18:28	04/03/23 21:59	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.022	J	0.050	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Barium	0.28	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 20:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 20:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 20:09	1
Chromium	0.067		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Cobalt	0.013	J	0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Copper	0.057		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Iron	61		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 20:09	1
Lead	0.028		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 20:09	1
Manganese	0.25		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Nickel	0.055		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 20:09	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(10-15)-032723

Lab Sample ID: 500-231292-6

Date Collected: 03/27/23 14:35

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 82.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Zinc	0.14	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 20:09	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		12	4.9	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Antimony	0.36	J	1.2	0.23	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Arsenic	7.3		0.60	0.20	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Barium	72		0.60	0.068	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Beryllium	0.84		0.24	0.056	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Cadmium	0.20		0.12	0.022	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Calcium	60000	B	60	10	mg/Kg	☆	04/03/23 10:36	04/05/23 14:08	5
Chromium	18		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Cobalt	10		0.30	0.078	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Copper	22		0.60	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Iron	20000		12	6.2	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Lead	15		0.30	0.14	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Magnesium	24000		6.0	3.0	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Manganese	330		0.60	0.087	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Nickel	27		0.60	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Potassium	2500		30	11	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Selenium	<0.60		0.60	0.35	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Silver	0.29	J	0.30	0.077	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Sodium	340		60	8.9	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Vanadium	26		0.30	0.071	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Zinc	58		1.2	0.53	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:36	1

Method: SW846 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		03/31/23 17:00	04/03/23 11:01	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.019	0.0098	mg/Kg	☆	03/30/23 16:50	03/31/23 08:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			03/29/23 18:03	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	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.

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 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.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

1

2

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14

15

Chain of Custody Record 640962



Environment Testing America

Address _____



500-231292 COC

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <i>A. Slesare</i>		Site Contact: <i>C. Ponce</i>		Date: <i>3-27-23</i>		COC No	
Company Name: <i>Weston Solutions</i>		Tel/Email		Lab Contact: <i>R. Wright</i>		Carrier		<i>3</i> of <i>4</i> COCs	
Address: <i>300 Kirtlandbridge Pkwy</i>		Analysis Turnaround Time		Filtered Sample (Y/N)		Perform MS/MSD (Y/N)		Sampler	
City/State/Zip: <i>Lincolnshire, IL</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		VOCs		SVOCs		For Lab Use Only	
Phone		TAT if different from Below _____		Total Metals		TCUP/SPLP/MSLs		Walk-in Client.	
Fax		<input type="checkbox"/> 2 weeks		pH				Lab Sampling	
Project Name: <i>IDOT I-80 O&T</i>		<input type="checkbox"/> 1 week						Job / SDG No	
Site: <i>I-80</i>		<input type="checkbox"/> 2 days						<i>500-231292</i>	
P O #		<input type="checkbox"/> 1 day						Sample Specific Notes	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sampler
1	ROW-12 (10-15) -032723	3/27/23	1355	G	S	6		X	X
2	ROW-12 (15-18) -032723		1400						
3	ROW-13 (0-5) -032723		1425						
4	ROW-13 (0-5) -032723D		1425						
5	ROW-13 (5-10) -032723		1430						
6	ROW-13 (10-15) -032723		1435						
7	ROW-14 (0-5) -032723		1450						
8	ROW-14 (5-10) -032723		1455						
9	ROW-14 (10-15) -032723		1500						
10	ROW-17 (0-5) -032723		1515						
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments: <i>4.1-3.0, 2.6-1.5</i>									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____		Corr'd _____		Therm ID No _____	
Relinquished by <i>[Signature]</i>		Company: <i>NS</i>		Date/Time: <i>3-27-23 1515</i>		Received by: <i>[Signature]</i>		Company: <i>EETA</i>	
Relinquished by <i>[Signature]</i>		Company: <i>EETA</i>		Date/Time: <i>3/27/23 1650</i>		Received by: <i>[Signature]</i>		Company: _____	
Relinquished by _____		Company: _____		Date/Time: _____		Received in Laboratory by _____		Company: _____	



Chain of Custody Record 640942



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other:

TAL-8210

Client Contact		Project Manager <i>A. Sleazers</i>		Site Contact <i>C. Ponce</i>		Date <i>3/27/23</i>		COC No	
Company Name <i>Weston Solutions</i>		Tel/Email		Lab Contact <i>R. Wipert</i>		Carrier:		<i>4</i> of <i>4</i> COCs	
Address <i>300 Knightsbridge Pkwy</i>		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Analysis Turnaround Time</p> <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS <p>TAT if different from Below _____</p> <p><input type="checkbox"/> 2 weeks</p> <p><input type="checkbox"/> 1 week</p> <p><input type="checkbox"/> 2 days</p> <p><input type="checkbox"/> 1 day</p> </div> <div style="width: 45%; font-size: 0.8em;"> <p>Filtered Sample (Y/N)</p> <p>Perform MS / MSD (Y / N)</p> <p><i>VOCS</i></p> <p><i>SVOCs</i></p> <p><i>Total Metals</i></p> <p><i>TCP / SLP / Metals</i></p> <p><i>PH</i></p> </div> </div>							
City/State/Zip <i>Channahon, IL</i>									
Phone									
Fax									
Project Name <i>IDOT 051</i>		Sample Date		Sample Time	Sample Type (C=Comp G=Grab)	Matrix	# of Cont.	Sample Specific Notes	
Site <i>I-80</i>		Sample Identification							
PO#		<i>ROW-16(0-5)-032703</i>		<i>3/27/23</i>	<i>1530</i>	<i>6</i>	<i>S</i>	<i>6</i>	
<p>Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other</p>									
<p>Possible Hazard Identification. Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample</p> <p><input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown</p>					<p>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</p> <p><input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months</p>				
<p>Special Instructions/QC Requirements & Comments:</p>									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____		Corr'd _____		Therm ID No _____	
Relinquished by: <i>[Signature]</i>		Company <i>WS</i>		Date/Time <i>3/27/23 1650</i>		Received by: <i>[Signature]</i>		Company <i>ETA</i>	
Relinquished by: <i>[Signature]</i>		Company <i>ETA</i>		Date/Time <i>3/27/23 1650</i>		Received by: <i>[Signature]</i>		Company <i>[Signature]</i>	
Relinquished by:		Company		Date/Time		Received in Laboratory by		Company	





ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/27/2023 9:45:55 AM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-232207-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-232207-1	ROW-53(10-15)-041323	Solid	04/13/23 12:20	04/13/23 18:02
500-232207-2	ROW-54(0-5)-041323	Solid	04/13/23 12:40	04/13/23 18:02
500-232207-3	ROW-55(0-5)-041323	Solid	04/13/23 13:00	04/13/23 18:02
500-232207-4	ROW-55(5-10)-041323	Solid	04/13/23 13:05	04/13/23 18:02
500-232207-5	ROW-55(10-15)-041323	Solid	04/13/23 13:10	04/13/23 18:02
500-232207-6	ROW-56(0-5)-041323	Solid	04/13/23 13:30	04/13/23 18:02
500-232207-7	ROW-56(0-5)-041323D	Solid	04/13/23 13:30	04/13/23 18:02
500-232207-8	ROW-62(0-5)-041323	Solid	04/13/23 13:50	04/13/23 18:02
500-232207-9	ROW-62(5-10)-041323	Solid	04/13/23 13:55	04/13/23 18:02
500-232207-10	ROW-62(10-15)-041323	Solid	04/13/23 14:00	04/13/23 18:02
500-232207-11	ROW-63(0-5)-041323	Solid	04/13/23 14:30	04/13/23 18:02
500-232207-12	ROW-64(0-5)-041323	Solid	04/13/23 14:50	04/13/23 18:02
500-232207-13	ROW-65(0-5)-041323	Solid	04/13/23 15:00	04/13/23 18:02
500-232207-14	ROW-65(5-10)-041323	Solid	04/13/23 15:05	04/13/23 18:02
500-232207-15	RC-6(0-5)-041323	Solid	04/13/23 15:45	04/13/23 18:02



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(0-5)-041323

Lab Sample ID: 500-232207-8

Date Collected: 04/13/23 13:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.015	J	0.018	0.0079	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Carbon disulfide	<0.0045		0.0045	0.00095	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	75 - 131	04/14/23 20:00	04/19/23 06:49	1
Dibromofluoromethane (Surr)	96		75 - 126	04/14/23 20:00	04/19/23 06:49	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	04/14/23 20:00	04/19/23 06:49	1
Toluene-d8 (Surr)	104		75 - 124	04/14/23 20:00	04/19/23 06:49	1

Method: SW846 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	✳	04/25/23 13:29	04/26/23 17:01	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	✳	04/25/23 13:29	04/26/23 17:01	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	✳	04/25/23 13:29	04/26/23 17:01	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	✳	04/25/23 13:29	04/26/23 17:01	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	✳	04/25/23 13:29	04/26/23 17:01	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(0-5)-041323

Lab Sample ID: 500-232207-8

Date Collected: 04/13/23 13:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.9

Method: SW846 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	☼	04/25/23 13:29	04/26/23 17:01	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(0-5)-041323

Lab Sample ID: 500-232207-8

Date Collected: 04/13/23 13:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.9

Method: SW846 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	☼	04/25/23 13:29	04/26/23 17:01	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Phenanthrene	0.022	J	0.036	0.0051	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	50		31 - 143	04/25/23 13:29	04/26/23 17:01	1
2-Fluorobiphenyl (Surr)	59		43 - 145	04/25/23 13:29	04/26/23 17:01	1
2-Fluorophenol (Surr)	53		31 - 166	04/25/23 13:29	04/26/23 17:01	1
Nitrobenzene-d5 (Surr)	63		37 - 147	04/25/23 13:29	04/26/23 17:01	1
Phenol-d5 (Surr)	54		30 - 153	04/25/23 13:29	04/26/23 17:01	1
Terphenyl-d14 (Surr)	74		42 - 157	04/25/23 13:29	04/26/23 17:01	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Barium	0.68		0.50	0.050	mg/L		04/18/23 17:10	04/19/23 20:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 20:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 20:54	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Cobalt	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 20:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 20:54	1
Manganese	4.8		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Nickel	0.017	J	0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 20:54	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Zinc	<0.50		0.50	0.020	mg/L		04/18/23 17:10	04/19/23 20:54	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.077		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Barium	0.90		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 00:56	1
Beryllium	0.0096		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 00:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 00:56	1
Chromium	0.20		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Cobalt	0.079		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Copper	0.23		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Iron	220		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 00:56	1
Lead	0.098		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 00:56	1
Manganese	1.5		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Nickel	0.25		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 00:56	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(0-5)-041323

Lab Sample ID: 500-232207-8

Date Collected: 04/13/23 13:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Zinc	0.65		0.50	0.020	mg/L		04/18/23 17:11	04/25/23 00:56	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		10	4.2	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Antimony	0.33	J	1.0	0.20	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Arsenic	8.7		0.52	0.18	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Barium	46	B	0.52	0.059	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Beryllium	0.76	B	0.21	0.048	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Cadmium	0.17	B	0.10	0.019	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Calcium	65000	B	52	8.8	mg/Kg	☆	04/20/23 09:34	04/25/23 15:00	5
Chromium	15		0.52	0.26	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Cobalt	12		0.26	0.068	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Copper	21		0.52	0.14	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Iron	19000		10	5.4	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Lead	12		0.26	0.12	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Magnesium	28000		5.2	2.6	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Manganese	370		0.52	0.075	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Nickel	29		0.52	0.15	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Potassium	2300		26	9.2	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Selenium	0.35	J	0.52	0.30	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Silver	0.28		0.26	0.067	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Sodium	860		52	7.7	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Thallium	0.67		0.52	0.26	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Vanadium	20	B	0.26	0.061	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Zinc	59		1.0	0.45	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/18/23 15:10	04/19/23 10:00	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:12	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.017	0.0090	mg/Kg	☆	04/21/23 15:35	04/24/23 07:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/17/23 19:54	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(5-10)-041323

Lab Sample ID: 500-232207-9

Date Collected: 04/13/23 13:55

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	J	0.018	0.0078	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☼	04/14/23 20:00	04/19/23 07:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	04/14/23 20:00	04/19/23 07:14	1
Dibromofluoromethane (Surr)	98		75 - 126	04/14/23 20:00	04/19/23 07:14	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	04/14/23 20:00	04/19/23 07:14	1
Toluene-d8 (Surr)	91		75 - 124	04/14/23 20:00	04/19/23 07:14	1

Method: SW846 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	☼	04/25/23 13:29	04/26/23 15:23	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(5-10)-041323

Lab Sample ID: 500-232207-9

Date Collected: 04/13/23 13:55

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.6

Method: SW846 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	✱	04/25/23 13:29	04/26/23 15:23	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Carbazole	<0.19		0.19	0.096	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Fluoranthene	0.0073	J	0.038	0.0071	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(5-10)-041323

Lab Sample ID: 500-232207-9

Date Collected: 04/13/23 13:55

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.6

Method: SW846 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	☼	04/25/23 13:29	04/26/23 15:23	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Pyrene	0.011	J	0.038	0.0076	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	33		31 - 143	04/25/23 13:29	04/26/23 15:23	1
2-Fluorobiphenyl (Surr)	38	S1-	43 - 145	04/25/23 13:29	04/26/23 15:23	1
2-Fluorophenol (Surr)	36		31 - 166	04/25/23 13:29	04/26/23 15:23	1
Nitrobenzene-d5 (Surr)	40		37 - 147	04/25/23 13:29	04/26/23 15:23	1
Phenol-d5 (Surr)	37		30 - 153	04/25/23 13:29	04/26/23 15:23	1
Terphenyl-d14 (Surr)	75		42 - 157	04/25/23 13:29	04/26/23 15:23	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Barium	0.62		0.50	0.050	mg/L		04/18/23 17:10	04/19/23 22:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 22:06	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 22:06	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Cobalt	0.041		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Iron	0.65		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 22:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 22:06	1
Manganese	8.0		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Nickel	0.039		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 22:06	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Zinc	0.056	J	0.50	0.020	mg/L		04/18/23 17:10	04/19/23 22:06	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.066		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Barium	0.96		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 00:59	1
Beryllium	0.0093		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 00:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 00:59	1
Chromium	0.19		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Cobalt	0.083		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Copper	0.19		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Iron	200		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 00:59	1
Lead	0.10		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 00:59	1
Manganese	2.1		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Nickel	0.23		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 00:59	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(5-10)-041323

Lab Sample ID: 500-232207-9

Date Collected: 04/13/23 13:55

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Zinc	0.65		0.50	0.020	mg/L		04/18/23 17:11	04/25/23 00:59	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15000		12	4.7	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Antimony	0.35	J	1.2	0.22	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Arsenic	6.2		0.58	0.20	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Barium	120	B	0.58	0.066	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Beryllium	0.87	B	0.23	0.054	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Cadmium	0.21	B	0.12	0.021	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Calcium	17000		12	2.0	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Chromium	17		0.58	0.28	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Cobalt	7.6		0.29	0.075	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Copper	17		0.58	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Iron	20000		12	6.0	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Lead	18		0.29	0.13	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Magnesium	11000		5.8	2.9	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Manganese	230		0.58	0.083	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Nickel	21		0.58	0.17	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Potassium	1400		29	10	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Silver	0.39		0.29	0.074	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Sodium	1300		58	8.5	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Thallium	0.61		0.58	0.29	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Vanadium	30	B	0.29	0.068	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Zinc	67		1.2	0.51	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/19/23 11:30	04/20/23 10:24	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:14	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0097	mg/Kg	☆	04/21/23 15:35	04/24/23 07:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/17/23 19:57	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(10-15)-041323

Lab Sample ID: 500-232207-10

Date Collected: 04/13/23 14:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0063	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Benzene	<0.0015		0.0015	0.00037	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Bromoform	<0.0015		0.0015	0.00042	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Bromomethane	<0.0036		0.0036	0.0014	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Carbon disulfide	<0.0036		0.0036	0.00075	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Carbon tetrachloride	<0.0015		0.0015	0.00042	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Chlorobenzene	<0.0015		0.0015	0.00054	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Chloroform	<0.0015		0.0015	0.00050	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Chloromethane	<0.0036		0.0036	0.0015	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00044	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Dibromochloromethane	<0.0015		0.0015	0.00047	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,1-Dichloroethane	<0.0015		0.0015	0.00050	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,1-Dichloroethene	<0.0015		0.0015	0.00050	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,2-Dichloropropane	<0.0015		0.0015	0.00037	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00051	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Ethylbenzene	<0.0015		0.0015	0.00069	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Styrene	<0.0015		0.0015	0.00044	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00046	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Tetrachloroethene	<0.0015		0.0015	0.00049	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Toluene	0.00099	J	0.0015	0.00037	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00064	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00049	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00062	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Trichloroethene	<0.0015		0.0015	0.00049	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Vinyl chloride	<0.0015		0.0015	0.00064	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Xylenes, Total	<0.0029		0.0029	0.00046	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		75 - 131	04/14/23 20:00	04/20/23 12:19	1
Dibromofluoromethane (Surr)	101		75 - 126	04/14/23 20:00	04/20/23 12:19	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	04/14/23 20:00	04/20/23 12:19	1
Toluene-d8 (Surr)	92		75 - 124	04/14/23 20:00	04/20/23 12:19	1

Method: SW846 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	✳	04/25/23 13:29	04/26/23 19:05	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	04/25/23 13:29	04/26/23 19:05	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✳	04/25/23 13:29	04/26/23 19:05	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✳	04/25/23 13:29	04/26/23 19:05	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	✳	04/25/23 13:29	04/26/23 19:05	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(10-15)-041323

Lab Sample ID: 500-232207-10

Date Collected: 04/13/23 14:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.8

Method: SW846 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	☆	04/25/23 13:29	04/26/23 19:05	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☆	04/25/23 13:29	04/26/23 19:05	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(10-15)-041323

Lab Sample ID: 500-232207-10

Date Collected: 04/13/23 14:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.8

Method: SW846 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	☼	04/25/23 13:29	04/26/23 19:05	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Phenanthrene	0.032	J	0.039	0.0055	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	43		31 - 143	04/25/23 13:29	04/26/23 19:05	1
2-Fluorobiphenyl (Surr)	66		43 - 145	04/25/23 13:29	04/26/23 19:05	1
2-Fluorophenol (Surr)	59		31 - 166	04/25/23 13:29	04/26/23 19:05	1
Nitrobenzene-d5 (Surr)	69		37 - 147	04/25/23 13:29	04/26/23 19:05	1
Phenol-d5 (Surr)	60		30 - 153	04/25/23 13:29	04/26/23 19:05	1
Terphenyl-d14 (Surr)	84		42 - 157	04/25/23 13:29	04/26/23 19:05	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Barium	0.40	J	0.50	0.050	mg/L		04/18/23 17:10	04/19/23 22:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 22:10	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 22:10	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Cobalt	0.046		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Iron	0.64		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 22:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 22:10	1
Manganese	5.5		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Nickel	0.040		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 22:10	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Zinc	0.027	J	0.50	0.020	mg/L		04/18/23 17:10	04/19/23 22:10	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.024	J	0.050	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Barium	0.17	J	0.50	0.050	mg/L		04/18/23 17:11	04/25/23 01:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 01:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 01:03	1
Chromium	0.060		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Cobalt	0.033		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Copper	0.065		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Iron	57		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 01:03	1
Lead	0.027		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 01:03	1
Manganese	0.45		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Nickel	0.074		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 01:03	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(10-15)-041323

Lab Sample ID: 500-232207-10

Date Collected: 04/13/23 14:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Zinc	0.15	J	0.50	0.020	mg/L		04/18/23 17:11	04/25/23 01:03	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		12	4.7	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Antimony	0.39	J	1.2	0.22	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Arsenic	5.6		0.58	0.20	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Barium	87	B	0.58	0.066	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Beryllium	0.87	B	0.23	0.054	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Cadmium	0.13	B	0.12	0.021	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Calcium	51000	B	58	9.8	mg/Kg	☆	04/20/23 09:34	04/25/23 15:03	5
Chromium	17		0.58	0.28	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Cobalt	12		0.29	0.075	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Copper	20		0.58	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Iron	19000		12	6.0	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Lead	13		0.29	0.13	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Magnesium	27000		5.8	2.9	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Manganese	400		0.58	0.083	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Nickel	29		0.58	0.17	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Potassium	3300		29	10	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Silver	0.26	J	0.29	0.074	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Sodium	520		58	8.5	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Thallium	0.73		0.58	0.29	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Vanadium	23	B	0.29	0.068	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Zinc	54		1.2	0.51	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/19/23 11:30	04/20/23 10:26	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:16	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.019	0.010	mg/Kg	☆	04/21/23 15:35	04/24/23 07:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.2	0.2	SU			04/17/23 19:59	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	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.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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.
S1-	Surrogate recovery exceeds control limits, low biased.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record

538483



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name: <u>Western Solutions</u> Address: <u>300 Knightbridge Pkwy</u> City/State/Zip: <u>Medford, NJ</u> Phone: _____ Fax: _____ Project Name: <u>2205 05</u> Site: <u>I-80</u> P O #: _____		Project Manager: <u>A. Slesers</u> Tel/Email: _____		Site Contact: <u>C. Penn</u> Date: <u>4/13/23</u>		COC No: _____ 3 of 4 COCs																	
Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Lab Contact: <u>R Wright</u> Carrier: _____		Sampler: _____ For Lab Use Only: Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>		Job / SDG No: <u>500-232207</u>																	
Sample Identification 500-232207 Waybi		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix		# of Cont.		Filtered Sample (Y/N) Perform MS /MSD (Y/N)		VOCs SVOCs Total Metals TCLP / SPC Metals pH		Sample Specific Notes							
1 Row-53 (10-5) -041323		4/13/23		1220		G		S		6				X									
2 Row-54 (0-5) -041323				1240										X									
3 Row-55 (0-5) -041323				1300										X									
4 Row-55 (5-10) -041323				1305										X									
5 Row-55 (10-15) -041323				1310										X									
6 Row-56 (0-5) -041323				1330										X									
7 Row-56 (0-5) -041323D				1330										X									
8 Row-62 (0-5) -041323				1350										X									
9 Row-62 (5-10) -041323				1355										X									
10 Row-62 (10-15) -041323				1400										X									
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other												Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments: <p style="text-align: center;">5.8 → 4.7, 5.5 → 4.4, 5.8 → 4.7</p>																							
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No				Custody Seal No. _____				Cooler Temp. (°C): Obs'd _____ Corr'd _____				Therm ID No _____											
Relinquished by: <u>[Signature]</u>				Company: <u>WS</u>				Date/Time: <u>4/13/23 1645</u>				Received by: <u>[Signature]</u>				Company: <u>EETA</u>				Date/Time: <u>4/13/23 1645</u>			
Relinquished by: <u>[Signature]</u>				Company: <u>EETA</u>				Date/Time: <u>4/13/23 1802</u>				Received by: <u>[Signature]</u>				Company: <u>EETA</u>				Date/Time: <u>4/13/23 1802</u>			
Relinquished by: <u>[Signature]</u>				Company: _____				Date/Time: _____				Received in Laboratory by: <u>[Signature]</u>				Company: <u>EETA</u>				Date/Time: <u>4/13/23 1802</u>			

Chain of Custody Record 641360



Environment Testing
America

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <i>A. Steeles</i>		Site Contact: <i>Capen</i>		Date: <i>4.13.23</i>		COC No																												
Company Name: <i>W. J. Sullivan</i>		Tel/Email:		Lab Contact: <i>R. W. ...</i>		Carrier		4 of 4 COCs																												
Address: <i>380 Knightbridge Plaza</i>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">Analysis Turnaround Time</td> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">Filtered Sample (Y/N)</td> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">Perform MS/MSD (Y/N)</td> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);"><i>NOES</i></td> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);"><i>SVOES</i></td> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);"><i>Total Metals</i></td> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);"><i>TECP/SOP metals</i></td> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);"><i>PTH</i></td> <td colspan="2">Sampler</td> </tr> <tr> <td colspan="2"> <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS </td> <td colspan="2">For Lab Use Only:</td> </tr> <tr> <td colspan="2">TAT if different from Below _____</td> <td colspan="2">Walk-in Client</td> </tr> <tr> <td colspan="2"> <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day </td> <td colspan="2">Lab Sampling</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">Job / SDG No</td> </tr> </table>								Analysis Turnaround Time		Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	<i>NOES</i>	<i>SVOES</i>	<i>Total Metals</i>	<i>TECP/SOP metals</i>	<i>PTH</i>	Sampler		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		For Lab Use Only:		TAT if different from Below _____		Walk-in Client		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Lab Sampling				Job / SDG No	
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City/State/Zip: <i>Chesham, DC</i>																																				
Phone:																																				
Fax:																																				
Project Name: <i>RDOT 051</i>																																				
Site: <i>T 30</i>																																				
PO #:																																				
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.					Sample Specific Notes																									
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<i>Row-65 (0-5)-041323</i>		<i>↓</i>	<i>1500</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>																									
<i>Row-65 (5-10)-041323</i>		<i>↓</i>	<i>1505</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>																									
<i>RC-6 (0-5)-041323</i>		<i>↓</i>	<i>1545</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>																									
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Relinquished by: <i>[Signature]</i>		Company: <i>NS</i>		Date/Time: <i>4.13.23/1802</i>		Received by: <i>M. J. Ellison</i>		Company: <i>EETA</i>		Date/Time: <i>4/13/23 1645</i>																										
Relinquished by: <i>M. J. Ellison</i>		Company: <i>EETA</i>		Date/Time: <i>4/13/23 1802</i>		Received by: <i>[Signature]</i>		Company: <i>EETA</i>		Date/Time: _____																										
Relinquished by: <i>[Signature]</i>		Company: _____		Date/Time: _____		Received in Laboratory by: <i>[Signature]</i>		Company: <i>EETA</i>		Date/Time: <i>4/13/23 1802</i>																										





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 80 (I-80) - e/o River Rd to w/o Houbolt Rd Office Phone Number, if available: _____

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

I-80 Noise Wall - Station 325+00 to Station 344+00 (ISGS Site 2233V3-1)

City: Various State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.48524 Longitude: - 88.20607
(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.): 880

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 NW-1 THROUGH NW-3, NW-5, AND NW-6 WERE SAMPLED ALONG THE PROPOSED I-80 EB NOISEWALL. SEE FIGURES 3-3 AND 3-4, AND TABLE 4-1 OF THE 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]:

EUROFINS ANALYTICAL REPORTS - JOB ID: 500-231346-1. ALSO SEE FIGURES 4-3 AND 4-4 OF THE PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

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

Company Name: Weston Solutions, Inc.
Street Address: 300 Knightsbridge Parkway; Suite 360
City: Lincolnshire State: IL Zip Code: 60069
Phone: (224) 864-7200

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

Michael A. Castillo
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

7 June 2023
Date:



**Summary Table - I-80 ROW - Noise Wall - Station 325+00 - Station 344+00 (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	NW-1	NW-1	NW-2	NW-3	NW-5	NW-6	NW-6	NW-6
Field Sample ID		NW-1(0-5)-032823	NW-1(5-10)-032823	NW-2(0-5)-032823	NW-3(0-5)-032823	NW-5(0-5)-032823	NW-6(0-5)-032823	NW-6(5-10)-032823	NW-6(10-15)-032823
Sample Date ISGS Site No		3/27/2023 2233V3-1	3/27/2023 2233V3-1	3/27/2023 2233V3-1	3/27/2023 2233V3-1	3/28/2023 2233V3-1	3/28/2023 2233V3-1	3/28/2023 2233V3-1	3/28/2023 2233V3-1
Laboratory pH	<6.25, >9.0	7.5	7.8	6.8	6.9	7.9	8.3	7.9	7.8
VOCs (mg/kg)									
Acetone	25	ND	0.078	ND	ND	ND	0.018	0.023	ND
Methyl ethyl ketone	---	ND	0.015	ND	ND	ND	ND	0.003 J	ND
SVOCs (mg/kg)									
Benzo(g,h,i)perylene	---	ND	0.013 J	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	46	0.15 J	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	ND	0.01 J	ND	ND	ND	ND	ND	ND
Total Metals (mg/kg)									
Aluminum, Total	---	8300 B	7200 B	15000 B	14000 B	15000 B	16000 B	13000 B	13000 B
Antimony, Total	5	0.24 J	ND	ND	0.6 J	ND	ND	ND	ND
Arsenic, Total	11.3 / 13	6.6 J	12	8.6	13	7.4	5.4	8.6	6.8
Barium, Total	1500	53	28	77	72	120	110	82	57
Beryllium, Total	22	0.56 J	0.58	0.66	0.85	0.78	0.85	0.86	0.84
Cadmium, Total	5.2	0.25 J	0.35	0.13	0.21	0.11 J	0.2	0.36	0.21
Calcium, Total	---	21000 J	54000 B	2400 B	1900 B	3200 B	11000 B	81000 B	70000 B
Chromium, Total	21	11	11	19	18	19	19	18	19
Cobalt, Total	20	9.7	13	5.8	14	8.5	11	13	11
Copper, Total	2900	13	39	17	24	16	17	20	19
Iron, Total	15000 / 15900	14000 J	19000 B	22000 B	28000 B	21000 B	17000 B	20000 B	19000 B
Lead, Total	107	16	15	13	20	14	17	13	12
Magnesium, Total	325000	14000 J	36000 B	3700 B	3000 B	3800 B	6900 B	20000 B	22000 B
Manganese, Total	630 / 636	450 J	390 B	140 B	580 B	360 B	210 B	410 B	260 B
Mercury, Total	0.89	0.035	0.014 J	0.039	0.053	0.026	0.032	0.014 J	0.014 J
Nickel, Total	100	15	26	19	27	23	23	32	28
Potassium, Total	---	830 J	1600	980	1200	1100	1400	2600	3100
Selenium, Total	1.3	ND	0.49 J	ND	0.45 J	ND	ND	ND	ND
Silver, Total	4.4	0.31 J	0.34	0.54	0.43	0.61	0.54	0.38	0.38
Sodium, Total	---	72 J	200	83	51 J	69	1200	570	370
Thallium, Total	2.6	ND	0.35 J	0.36 J	ND	ND	ND	ND	0.31 J
Vanadium, Total	550	21	23	36	31	34	34	26	25
Zinc, Total	5100	59 J	100	58	81	54	61	54	56
TCLP Metals (mg/l)									
Arsenic, TCLP	0.05	ND	ND	0.012 J	ND	ND	0.011 J	ND	ND
Barium, TCLP	2	0.47 J	0.33 J	0.42 J	0.28 J	0.88	0.69	0.63	0.46 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	0.0022 J	ND	ND	ND	ND	0.0023 J	0.0047 J	0.0039 J
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	ND	0.034	ND	ND	ND	0.018 J	0.042	0.014 J
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	0.4	ND	ND	0.21 J	ND
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	0.023	ND	ND
Manganese, TCLP	0.15	0.81	3.5	0.4	0.042	0.41	3.2	6.7	3.5
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	0.05	0.011 J	0.013 J	ND	0.014 J	0.044	0.046
Selenium, TCLP	0.05	0.029 J	0.025 J	0.023 J	0.022 J	0.024 J	0.026 J	0.022 J	0.033 J
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	0.021 J	0.021 J	ND	0.29 J	ND	0.028 J	ND	0.03 J

**Summary Table - I-80 ROW - Noise Wall - Station 325+00 - Station 344+00 (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	NW-1	NW-1	NW-2	NW-3	NW-5	NW-6	NW-6	NW-6
Field Sample ID		NW-1(0-5)-032823	NW-1(5-10)-032823	NW-2(0-5)-032823	NW-3(0-5)-032823	NW-5(0-5)-032823	NW-6(0-5)-032823	NW-6(5-10)-032823	NW-6(10-15)-032823
Sample Date		3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/28/2023	3/28/2023	3/28/2023	3/28/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
SPLP Metals (mg/l)									
Arsenic, SPLP	0.05	0.048 J	0.012 J	0.056	0.094	ND	0.055	ND	ND
Barium, SPLP	2	0.36 J	0.063 J	0.41 J	0.65	ND	0.92	0.19 J	ND
Beryllium, SPLP	0.004	0.005	ND	0.0059	0.0086	ND	0.0092	ND	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.097	0.016 J	0.11	0.16	ND	0.19	0.04	ND
Cobalt, SPLP	1	0.025	ND	0.023 J	0.043	ND	0.054	0.012 J	ND
Copper, SPLP	0.65	0.082	0.018 J	0.11	0.2	ND	0.18	0.028	ND
Iron, SPLP	5	120	17	150	240	1.5	190	32	4.9
Lead, SPLP	0.0075	0.058	0.011	0.046	0.098	ND	0.12	0.016	ND
Manganese, SPLP	0.15	0.61	0.1	0.53	2.1	ND	1.1	0.29	0.024 J
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.08	0.013 J	0.11	0.17	ND	0.17	0.037	ND
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.29 J	0.045 J	0.36 J	0.61	ND	0.53	0.072 J	ND

Notes and Abbreviations:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/7/2023 4:45:58 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231346-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231346-1	NW-1(0-5)-032823	Solid	03/27/23 09:10	03/28/23 16:53
500-231346-2	NW-1(5-10)-032823	Solid	03/27/23 09:15	03/28/23 16:53
500-231346-3	ROW-8(0-5)-032823	Solid	03/27/23 09:30	03/28/23 16:53
500-231346-4	ROW-8(0-5)-032823D	Solid	03/27/23 09:30	03/28/23 16:53
500-231346-5	NW-2(0-5)-032823	Solid	03/27/23 09:50	03/28/23 16:53
500-231346-6	ROW-9(0-5)-032823	Solid	03/27/23 10:30	03/28/23 16:53
500-231346-7	NW-3(0-5)-032823	Solid	03/27/23 10:45	03/28/23 16:53
500-231346-8	ROW-11(0-5)-032823	Solid	03/27/23 11:15	03/28/23 16:53
500-231346-9	ROW-11(5-10)-032823	Solid	03/27/23 11:20	03/28/23 16:53
500-231346-10	NW-4(0-5)-032823	Solid	03/27/23 11:50	03/28/23 16:53
500-231346-11	NW-4(5-10)-032823	Solid	03/28/23 11:55	03/28/23 16:53
500-231346-12	NW-5(0-5)-032823	Solid	03/28/23 12:25	03/28/23 16:53
500-231346-13	NW-6(0-5)-032823	Solid	03/28/23 13:15	03/28/23 16:53
500-231346-14	NW-6(5-10)-032823	Solid	03/28/23 13:20	03/28/23 16:53
500-231346-15	NW-6(10-15)-032823	Solid	03/28/23 13:25	03/28/23 16:53
500-231346-16	ROW-15(0-5)-032823	Solid	03/28/23 13:40	03/28/23 16:53
500-231346-17	ROW-15(0-5)-032823D	Solid	03/28/23 13:40	03/28/23 16:53
500-231346-18	ROW-15(5-10)-032823	Solid	03/28/23 13:45	03/28/23 16:53
500-231346-19	ROW-18(0-5)-032823	Solid	03/28/23 14:50	03/28/23 16:53
500-231346-20	ROW-18(5-10)-032823	Solid	03/28/23 14:55	03/28/23 16:53



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-1(0-5)-032823

Lab Sample ID: 500-231346-1

Date Collected: 03/27/23 09:10

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0069	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☆	03/28/23 17:48	04/04/23 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	03/28/23 17:48	04/04/23 18:05	1
Dibromofluoromethane (Surr)	95		75 - 126	03/28/23 17:48	04/04/23 18:05	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	03/28/23 17:48	04/04/23 18:05	1
Toluene-d8 (Surr)	87		75 - 124	03/28/23 17:48	04/04/23 18:05	1

Method: SW846 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	☆	04/05/23 07:24	04/06/23 01:42	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	04/05/23 07:24	04/06/23 01:42	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	04/05/23 07:24	04/06/23 01:42	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☆	04/05/23 07:24	04/06/23 01:42	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☆	04/05/23 07:24	04/06/23 01:42	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-1(0-5)-032823

Lab Sample ID: 500-231346-1

Date Collected: 03/27/23 09:10

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.3

Method: SW846 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	✳	04/05/23 07:24	04/06/23 01:42	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Bis(2-ethylhexyl) phthalate	0.15	J	0.20	0.074	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Carbazole	<0.20		0.20	0.10	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Chrysene	<0.040		0.040	0.011	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	✳	04/05/23 07:24	04/06/23 01:42	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-1(0-5)-032823

Lab Sample ID: 500-231346-1

Date Collected: 03/27/23 09:10

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.3

Method: SW846 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	☼	04/05/23 07:24	04/06/23 01:42	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	04/05/23 07:24	04/06/23 01:42	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	04/05/23 07:24	04/06/23 01:42	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	04/05/23 07:24	04/06/23 01:42	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	04/05/23 07:24	04/06/23 01:42	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/05/23 07:24	04/06/23 01:42	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	04/05/23 07:24	04/06/23 01:42	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	04/05/23 07:24	04/06/23 01:42	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	04/05/23 07:24	04/06/23 01:42	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	04/05/23 07:24	04/06/23 01:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		31 - 143	04/05/23 07:24	04/06/23 01:42	1
2-Fluorobiphenyl (Surr)	83		43 - 145	04/05/23 07:24	04/06/23 01:42	1
2-Fluorophenol (Surr)	77		31 - 166	04/05/23 07:24	04/06/23 01:42	1
Nitrobenzene-d5 (Surr)	80		37 - 147	04/05/23 07:24	04/06/23 01:42	1
Phenol-d5 (Surr)	80		30 - 153	04/05/23 07:24	04/06/23 01:42	1
Terphenyl-d14 (Surr)	99		42 - 157	04/05/23 07:24	04/06/23 01:42	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:43	04/04/23 15:14	1
Barium	0.47	J	0.50	0.050	mg/L		04/03/23 17:43	04/04/23 15:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 15:14	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 15:14	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:14	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:14	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:14	1
Iron	<0.40		0.40	0.20	mg/L		04/03/23 17:43	04/04/23 15:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 15:14	1
Manganese	0.81		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:14	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:14	1
Selenium	0.029	J	0.050	0.020	mg/L		04/03/23 17:43	04/04/23 15:14	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:14	1
Zinc	0.021	J	0.50	0.020	mg/L		04/03/23 17:43	04/04/23 15:14	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.048	J	0.050	0.010	mg/L		04/03/23 17:47	04/04/23 19:39	1
Barium	0.36	J	0.50	0.050	mg/L		04/03/23 17:47	04/04/23 19:39	1
Beryllium	0.0050		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 19:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 19:39	1
Chromium	0.097		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:39	1
Cobalt	0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:39	1
Copper	0.082		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:39	1
Iron	120		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 19:39	1
Lead	0.058		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 19:39	1
Manganese	0.61		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:39	1
Nickel	0.080		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:39	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 19:39	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-1(0-5)-032823

Lab Sample ID: 500-231346-1

Date Collected: 03/27/23 09:10

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:39	1
Zinc	0.29	J	0.50	0.020	mg/L		04/03/23 17:47	04/04/23 19:39	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8300	B	12	5.0	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Antimony	0.24	J F1	1.2	0.24	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Arsenic	6.6	F1	0.61	0.21	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Barium	53		0.61	0.069	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Beryllium	0.56	F1	0.24	0.057	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Cadmium	0.25	F1	0.12	0.022	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Calcium	21000	B F2	12	2.1	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Chromium	11		0.61	0.30	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Cobalt	9.7		0.30	0.080	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Copper	13		0.61	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Iron	14000	B F2	12	6.3	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Lead	16		0.30	0.14	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Magnesium	14000	B F2	6.1	3.0	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Manganese	450	B	0.61	0.088	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Nickel	15		0.61	0.18	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Potassium	830	F1	30	11	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Selenium	<0.61	F1	0.61	0.36	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Silver	0.31	F1	0.30	0.078	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Sodium	72	F1	61	9.0	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Thallium	<0.61		0.61	0.30	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Vanadium	21		0.30	0.072	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1
Zinc	59	F1	1.2	0.53	mg/Kg	☆	04/04/23 20:39	04/06/23 18:36	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:44	1

Method: SW846 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		04/03/23 14:55	04/04/23 08:38	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.019	0.010	mg/Kg	☆	03/31/23 14:20	04/03/23 08:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/03/23 15:20	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-1(5-10)-032823

Lab Sample ID: 500-231346-2

Date Collected: 03/27/23 09:15

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 79.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.078		0.017	0.0075	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Methyl Ethyl Ketone	0.015		0.0043	0.0019	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	✳	03/28/23 17:48	04/04/23 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	03/28/23 17:48	04/04/23 18:30	1
Dibromofluoromethane (Surr)	94		75 - 126	03/28/23 17:48	04/04/23 18:30	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	03/28/23 17:48	04/04/23 18:30	1
Toluene-d8 (Surr)	89		75 - 124	03/28/23 17:48	04/04/23 18:30	1

Method: SW846 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	✳	04/05/23 07:24	04/06/23 00:25	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-1(5-10)-032823

Lab Sample ID: 500-231346-2

Date Collected: 03/27/23 09:15

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 79.2

Method: SW846 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	✳	04/05/23 07:24	04/06/23 00:25	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
2,4-Dichlorophenol	<0.40		0.40	0.097	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
2-Chlorophenol	<0.20		0.20	0.070	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.048	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Benzo[a]pyrene	<0.040		0.040	0.0079	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Benzo[g,h,i]perylene	0.013	J	0.040	0.013	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.042	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Carbazole	<0.20		0.20	0.10	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Chrysene	<0.040		0.040	0.011	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Fluoranthene	<0.040		0.040	0.0076	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	✳	04/05/23 07:24	04/06/23 00:25	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-1(5-10)-032823

Lab Sample ID: 500-231346-2

Date Collected: 03/27/23 09:15

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 79.2

Method: SW846 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	☼	04/05/23 07:24	04/06/23 00:25	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	04/05/23 07:24	04/06/23 00:25	1
Naphthalene	<0.040		0.040	0.0063	mg/Kg	☼	04/05/23 07:24	04/06/23 00:25	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	04/05/23 07:24	04/06/23 00:25	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	04/05/23 07:24	04/06/23 00:25	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	04/05/23 07:24	04/06/23 00:25	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	04/05/23 07:24	04/06/23 00:25	1
Phenanthrene	0.010	J	0.040	0.0057	mg/Kg	☼	04/05/23 07:24	04/06/23 00:25	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	04/05/23 07:24	04/06/23 00:25	1
Pyrene	<0.040		0.040	0.0081	mg/Kg	☼	04/05/23 07:24	04/06/23 00:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	78		31 - 143	04/05/23 07:24	04/06/23 00:25	1
2-Fluorobiphenyl (Surr)	79		43 - 145	04/05/23 07:24	04/06/23 00:25	1
2-Fluorophenol (Surr)	75		31 - 166	04/05/23 07:24	04/06/23 00:25	1
Nitrobenzene-d5 (Surr)	77		37 - 147	04/05/23 07:24	04/06/23 00:25	1
Phenol-d5 (Surr)	77		30 - 153	04/05/23 07:24	04/06/23 00:25	1
Terphenyl-d14 (Surr)	104		42 - 157	04/05/23 07:24	04/06/23 00:25	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:43	04/04/23 15:17	1
Barium	0.33	J	0.50	0.050	mg/L		04/03/23 17:43	04/04/23 15:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 15:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 15:17	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:17	1
Cobalt	0.034		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:17	1
Copper	0.010	J B	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:17	1
Iron	<0.40		0.40	0.20	mg/L		04/03/23 17:43	04/04/23 15:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 15:17	1
Manganese	3.5		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:17	1
Nickel	0.050		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:17	1
Selenium	0.025	J	0.050	0.020	mg/L		04/03/23 17:43	04/04/23 15:17	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:17	1
Zinc	0.021	J	0.50	0.020	mg/L		04/03/23 17:43	04/04/23 15:17	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		04/03/23 17:47	04/04/23 19:42	1
Barium	0.063	J	0.50	0.050	mg/L		04/03/23 17:47	04/04/23 19:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 19:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 19:42	1
Chromium	0.016	J	0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:42	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:42	1
Copper	0.018	J	0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:42	1
Iron	17		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 19:42	1
Lead	0.011		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 19:42	1
Manganese	0.10		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:42	1
Nickel	0.013	J	0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:42	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 19:42	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-1(5-10)-032823

Lab Sample ID: 500-231346-2

Date Collected: 03/27/23 09:15

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 79.2

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:42	1
Zinc	0.045	J	0.50	0.020	mg/L		04/03/23 17:47	04/04/23 19:42	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7200	B	12	5.0	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Antimony	<1.2		1.2	0.24	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Arsenic	12		0.61	0.21	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Barium	28		0.61	0.069	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Beryllium	0.58		0.24	0.057	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Cadmium	0.35		0.12	0.022	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Calcium	54000	B	12	2.1	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Chromium	11		0.61	0.30	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Cobalt	13		0.30	0.080	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Copper	39		0.61	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Iron	19000	B	12	6.3	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Lead	15		0.30	0.14	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Magnesium	36000	B	6.1	3.0	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Manganese	390	B	0.61	0.088	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Nickel	26		0.61	0.18	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Potassium	1600		30	11	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Selenium	0.49	J	0.61	0.36	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Silver	0.34		0.30	0.078	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Sodium	200		61	9.0	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Thallium	0.35	J	0.61	0.30	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Vanadium	23		0.30	0.072	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1
Zinc	100		1.2	0.53	mg/Kg	☆	04/04/23 20:39	04/06/23 18:59	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:46	1

Method: SW846 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		04/03/23 14:55	04/04/23 08:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.020	0.010	mg/Kg	☆	03/31/23 14:20	04/03/23 08:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/03/23 15:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-2(0-5)-032823

Lab Sample ID: 500-231346-5

Date Collected: 03/27/23 09:50

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 77.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0073	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Carbon disulfide	<0.0042		0.0042	0.00087	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Chloroethane	<0.0042		0.0042	0.0012	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Methylene Chloride	<0.0042		0.0042	0.0016	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☆	03/28/23 17:48	04/04/23 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	03/28/23 17:48	04/04/23 19:46	1
Dibromofluoromethane (Surr)	93		75 - 126	03/28/23 17:48	04/04/23 19:46	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	03/28/23 17:48	04/04/23 19:46	1
Toluene-d8 (Surr)	88		75 - 124	03/28/23 17:48	04/04/23 19:46	1

Method: SW846 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	☆	04/05/23 07:24	04/05/23 18:27	1
1,2-Dichlorobenzene	<0.21		0.21	0.051	mg/Kg	☆	04/05/23 07:24	04/05/23 18:27	1
1,3-Dichlorobenzene	<0.21		0.21	0.048	mg/Kg	☆	04/05/23 07:24	04/05/23 18:27	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	☆	04/05/23 07:24	04/05/23 18:27	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.049	mg/Kg	☆	04/05/23 07:24	04/05/23 18:27	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-2(0-5)-032823

Lab Sample ID: 500-231346-5

Date Collected: 03/27/23 09:50

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 77.9

Method: SW846 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	☼	04/05/23 07:24	04/05/23 18:27	1
2,4,6-Trichlorophenol	<0.42		0.42	0.15	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
2,4-Dichlorophenol	<0.42		0.42	0.10	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
2,4-Dinitrophenol	<0.86		0.86	0.75	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
2,4-Dinitrotoluene	<0.21		0.21	0.068	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
2,6-Dinitrotoluene	<0.21		0.21	0.084	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
2-Chloronaphthalene	<0.21		0.21	0.047	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
2-Chlorophenol	<0.21		0.21	0.073	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
2-Methylnaphthalene	<0.086		0.086	0.0078	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
2-Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
2-Nitroaniline	<0.21		0.21	0.057	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
2-Nitrophenol	<0.42		0.42	0.10	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
3 & 4 Methylphenol	<0.21		0.21	0.071	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.059	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
4,6-Dinitro-2-methylphenol	<0.86		0.86	0.34	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.056	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
4-Chloroaniline	<0.86		0.86	0.20	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.050	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
4-Nitrophenol	<0.86		0.86	0.40	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Acenaphthene	<0.042		0.042	0.0076	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Acenaphthylene	<0.042		0.042	0.0056	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Anthracene	<0.042		0.042	0.0071	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Benzo[a]anthracene	<0.042		0.042	0.0057	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Benzo[a]pyrene	<0.042		0.042	0.0082	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Benzo[b]fluoranthene	<0.042		0.042	0.0092	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Benzo[g,h,i]perylene	<0.042		0.042	0.014	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Benzo[k]fluoranthene	<0.042		0.042	0.013	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.064	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.078	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Butyl benzyl phthalate	<0.21		0.21	0.081	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Carbazole	<0.21		0.21	0.11	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Chrysene	<0.042		0.042	0.012	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Dibenz(a,h)anthracene	<0.042		0.042	0.0082	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Dibenzofuran	<0.21		0.21	0.050	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Diethyl phthalate	<0.21		0.21	0.072	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Dimethyl phthalate	<0.21		0.21	0.056	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Di-n-butyl phthalate	<0.21		0.21	0.065	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Di-n-octyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Fluoranthene	<0.042		0.042	0.0079	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Fluorene	<0.042		0.042	0.0060	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Hexachlorobenzene	<0.086		0.086	0.0098	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Hexachlorobutadiene	<0.21		0.21	0.067	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Hexachlorocyclopentadiene	<0.86		0.86	0.24	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Hexachloroethane	<0.21		0.21	0.065	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-2(0-5)-032823

Lab Sample ID: 500-231346-5

Date Collected: 03/27/23 09:50

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 77.9

Method: SW846 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	☼	04/05/23 07:24	04/05/23 18:27	1
Isophorone	<0.21		0.21	0.048	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Naphthalene	<0.042		0.042	0.0065	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Nitrobenzene	<0.042		0.042	0.011	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
N-Nitrosodi-n-propylamine	<0.086		0.086	0.052	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
N-Nitrosodiphenylamine	<0.21		0.21	0.050	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Pentachlorophenol	<0.86		0.86	0.68	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Phenanthrene	<0.042		0.042	0.0059	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Phenol	<0.21		0.21	0.094	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Pyrene	<0.042		0.042	0.0084	mg/Kg	☼	04/05/23 07:24	04/05/23 18:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		31 - 143				04/05/23 07:24	04/05/23 18:27	1
2-Fluorobiphenyl (Surr)	86		43 - 145				04/05/23 07:24	04/05/23 18:27	1
2-Fluorophenol (Surr)	82		31 - 166				04/05/23 07:24	04/05/23 18:27	1
Nitrobenzene-d5 (Surr)	84		37 - 147				04/05/23 07:24	04/05/23 18:27	1
Phenol-d5 (Surr)	83		30 - 153				04/05/23 07:24	04/05/23 18:27	1
Terphenyl-d14 (Surr)	102		42 - 157				04/05/23 07:24	04/05/23 18:27	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		04/03/23 17:43	04/04/23 15:27	1
Barium	0.42	J	0.50	0.050	mg/L		04/03/23 17:43	04/04/23 15:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 15:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 15:27	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:27	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:27	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:27	1
Iron	<0.40		0.40	0.20	mg/L		04/03/23 17:43	04/04/23 15:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 15:27	1
Manganese	0.40		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:27	1
Nickel	0.011	J	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:27	1
Selenium	0.023	J	0.050	0.020	mg/L		04/03/23 17:43	04/04/23 15:27	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:27	1
Zinc	<0.50		0.50	0.020	mg/L		04/03/23 17:43	04/04/23 15:27	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.056		0.050	0.010	mg/L		04/03/23 17:47	04/04/23 19:52	1
Barium	0.41	J	0.50	0.050	mg/L		04/03/23 17:47	04/04/23 19:52	1
Beryllium	0.0059		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 19:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 19:52	1
Chromium	0.11		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:52	1
Cobalt	0.023	J	0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:52	1
Copper	0.11		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:52	1
Iron	150		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 19:52	1
Lead	0.046		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 19:52	1
Manganese	0.53		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:52	1
Nickel	0.11		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:52	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 19:52	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-2(0-5)-032823

Lab Sample ID: 500-231346-5

Date Collected: 03/27/23 09:50

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 77.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:52	1
Zinc	0.36	J	0.50	0.020	mg/L		04/03/23 17:47	04/04/23 19:52	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15000	B	12	5.0	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Antimony	<1.2		1.2	0.24	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Arsenic	8.6		0.62	0.21	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Barium	77		0.62	0.070	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Beryllium	0.66		0.25	0.058	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Cadmium	0.13		0.12	0.022	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Calcium	2400	B	12	2.1	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Chromium	19		0.62	0.31	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Cobalt	5.8		0.31	0.081	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Copper	17		0.62	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Iron	22000	B	12	6.4	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Lead	13		0.31	0.14	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Magnesium	3700	B	6.2	3.1	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Manganese	140	B	0.62	0.090	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Nickel	19		0.62	0.18	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Potassium	980		31	11	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Selenium	<0.62		0.62	0.36	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Silver	0.54		0.31	0.080	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Sodium	83		62	9.1	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Thallium	0.36	J	0.62	0.31	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Vanadium	36		0.31	0.073	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1
Zinc	58		1.2	0.54	mg/Kg	☆	04/04/23 20:39	04/06/23 19:08	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:53	1

Method: SW846 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		04/03/23 14:55	04/04/23 08:50	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039		0.020	0.010	mg/Kg	☆	03/31/23 14:20	04/03/23 08:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	6.8		0.2	0.2	SU			04/03/23 15:35	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-3(0-5)-032823

Lab Sample ID: 500-231346-7

Date Collected: 03/27/23 10:45

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 82.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0069	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☆	03/28/23 17:48	04/05/23 10:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	03/28/23 17:48	04/05/23 10:14	1
Dibromofluoromethane (Surr)	94		75 - 126	03/28/23 17:48	04/05/23 10:14	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	03/28/23 17:48	04/05/23 10:14	1
Toluene-d8 (Surr)	90		75 - 124	03/28/23 17:48	04/05/23 10:14	1

Method: SW846 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	☆	04/05/23 07:24	04/05/23 19:17	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☆	04/05/23 07:24	04/05/23 19:17	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	04/05/23 07:24	04/05/23 19:17	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☆	04/05/23 07:24	04/05/23 19:17	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☆	04/05/23 07:24	04/05/23 19:17	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-3(0-5)-032823

Lab Sample ID: 500-231346-7

Date Collected: 03/27/23 10:45

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 82.7

Method: SW846 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	☼	04/05/23 07:24	04/05/23 19:17	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
4-Chloro-3-methylphenol	<0.39		0.39	0.14	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Benzo[b]fluoranthene	<0.039		0.039	0.0086	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0077	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Fluoranthene	<0.039		0.039	0.0074	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-3(0-5)-032823

Lab Sample ID: 500-231346-7

Date Collected: 03/27/23 10:45

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 82.7

Method: SW846 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	☼	04/05/23 07:24	04/05/23 19:17	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	04/05/23 07:24	04/05/23 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	97		31 - 143	04/05/23 07:24	04/05/23 19:17	1
2-Fluorobiphenyl (Surr)	89		43 - 145	04/05/23 07:24	04/05/23 19:17	1
2-Fluorophenol (Surr)	86		31 - 166	04/05/23 07:24	04/05/23 19:17	1
Nitrobenzene-d5 (Surr)	89		37 - 147	04/05/23 07:24	04/05/23 19:17	1
Phenol-d5 (Surr)	88		30 - 153	04/05/23 07:24	04/05/23 19:17	1
Terphenyl-d14 (Surr)	107		42 - 157	04/05/23 07:24	04/05/23 19:17	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:43	04/04/23 15:57	1
Barium	0.28	J	0.50	0.050	mg/L		04/03/23 17:43	04/04/23 15:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 15:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 15:57	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:57	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:57	1
Copper	0.019	J B	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:57	1
Iron	0.40		0.40	0.20	mg/L		04/03/23 17:43	04/04/23 15:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 15:57	1
Manganese	0.042		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:57	1
Nickel	0.013	J	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:57	1
Selenium	0.022	J	0.050	0.020	mg/L		04/03/23 17:43	04/04/23 15:57	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 15:57	1
Zinc	0.29	J	0.50	0.020	mg/L		04/03/23 17:43	04/04/23 15:57	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.094		0.050	0.010	mg/L		04/03/23 17:47	04/04/23 19:58	1
Barium	0.65		0.50	0.050	mg/L		04/03/23 17:47	04/04/23 19:58	1
Beryllium	0.0086		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 19:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 19:58	1
Chromium	0.16		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:58	1
Cobalt	0.043		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:58	1
Copper	0.20		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:58	1
Iron	240		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 19:58	1
Lead	0.098		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 19:58	1
Manganese	2.1		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:58	1
Nickel	0.17		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:58	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 19:58	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-3(0-5)-032823

Lab Sample ID: 500-231346-7

Date Collected: 03/27/23 10:45

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 82.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 19:58	1
Zinc	0.61		0.50	0.020	mg/L		04/03/23 17:47	04/04/23 19:58	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000	B	12	4.8	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Antimony	0.60	J	1.2	0.23	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Arsenic	13		0.59	0.20	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Barium	72		0.59	0.067	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Beryllium	0.85		0.23	0.055	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Cadmium	0.21		0.12	0.021	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Calcium	1900	B	12	2.0	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Chromium	18		0.59	0.29	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Cobalt	14		0.29	0.077	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Copper	24		0.59	0.16	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Iron	28000	B	12	6.1	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Lead	20		0.29	0.14	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Magnesium	3000	B	5.9	2.9	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Manganese	580	B	0.59	0.085	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Nickel	27		0.59	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Potassium	1200		29	10	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Selenium	0.45	J	0.59	0.34	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Silver	0.43		0.29	0.076	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Sodium	51	J	59	8.7	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Thallium	<0.59		0.59	0.29	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Vanadium	31		0.29	0.069	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1
Zinc	81		1.2	0.51	mg/Kg	☆	04/04/23 20:39	04/06/23 19:14	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 11:17	1

Method: SW846 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		04/03/23 14:55	04/04/23 08:55	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.053		0.019	0.010	mg/Kg	☆	03/31/23 14:20	04/03/23 08:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	6.9		0.2	0.2	SU			04/03/23 15:40	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-5(0-5)-032823

Lab Sample ID: 500-231346-12

Date Collected: 03/28/23 12:25

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 79.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0074	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Chloroethane	<0.0042		0.0042	0.0013	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	✳	03/28/23 17:48	04/05/23 12:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	03/28/23 17:48	04/05/23 12:48	1
Dibromofluoromethane (Surr)	94		75 - 126	03/28/23 17:48	04/05/23 12:48	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	03/28/23 17:48	04/05/23 12:48	1
Toluene-d8 (Surr)	91		75 - 124	03/28/23 17:48	04/05/23 12:48	1

Method: SW846 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	✳	04/05/23 07:24	04/05/23 21:25	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	✳	04/05/23 07:24	04/05/23 21:25	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	✳	04/05/23 07:24	04/05/23 21:25	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	✳	04/05/23 07:24	04/05/23 21:25	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	✳	04/05/23 07:24	04/05/23 21:25	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-5(0-5)-032823

Lab Sample ID: 500-231346-12

Date Collected: 03/28/23 12:25

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 79.3

Method: SW846 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	☼	04/05/23 07:24	04/05/23 21:25	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
2,4-Dinitrophenol	<0.81		0.81	0.70	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-5(0-5)-032823

Lab Sample ID: 500-231346-12

Date Collected: 03/28/23 12:25

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 79.3

Method: SW846 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	☼	04/05/23 07:24	04/05/23 21:25	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Pyrene	<0.040		0.040	0.0079	mg/Kg	☼	04/05/23 07:24	04/05/23 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	79		31 - 143				04/05/23 07:24	04/05/23 21:25	1
2-Fluorobiphenyl (Surr)	78		43 - 145				04/05/23 07:24	04/05/23 21:25	1
2-Fluorophenol (Surr)	78		31 - 166				04/05/23 07:24	04/05/23 21:25	1
Nitrobenzene-d5 (Surr)	79		37 - 147				04/05/23 07:24	04/05/23 21:25	1
Phenol-d5 (Surr)	81		30 - 153				04/05/23 07:24	04/05/23 21:25	1
Terphenyl-d14 (Surr)	100		42 - 157				04/05/23 07:24	04/05/23 21:25	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:43	04/04/23 16:13	1
Barium	0.88		0.50	0.050	mg/L		04/03/23 17:43	04/04/23 16:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 16:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 16:13	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:13	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:13	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:13	1
Iron	<0.40		0.40	0.20	mg/L		04/03/23 17:43	04/04/23 16:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 16:13	1
Manganese	0.41		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:13	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:13	1
Selenium	0.024 J		0.050	0.020	mg/L		04/03/23 17:43	04/04/23 16:13	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:13	1
Zinc	<0.50		0.50	0.020	mg/L		04/03/23 17:43	04/04/23 16:13	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:47	04/04/23 20:21	1
Barium	<0.50		0.50	0.050	mg/L		04/03/23 17:47	04/04/23 20:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 20:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 20:21	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:21	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:21	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:21	1
Iron	1.5		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 20:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 20:21	1
Manganese	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:21	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:21	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 20:21	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-5(0-5)-032823

Lab Sample ID: 500-231346-12

Date Collected: 03/28/23 12:25

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 79.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:21	1
Zinc	<0.50		0.50	0.020	mg/L		04/03/23 17:47	04/04/23 20:21	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15000	B	12	5.0	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Antimony	<1.2		1.2	0.24	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Arsenic	7.4		0.61	0.21	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Barium	120		0.61	0.069	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Beryllium	0.78		0.24	0.057	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Cadmium	0.11	J	0.12	0.022	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Calcium	3200	B	12	2.1	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Chromium	19		0.61	0.30	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Cobalt	8.5		0.30	0.079	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Copper	16		0.61	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Iron	21000	B	12	6.3	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Lead	14		0.30	0.14	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Magnesium	3800	B	6.1	3.0	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Manganese	360	B	0.61	0.088	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Nickel	23		0.61	0.18	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Potassium	1100		30	11	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Selenium	<0.61		0.61	0.36	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Silver	0.61		0.30	0.078	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Sodium	69		61	9.0	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Thallium	<0.61		0.61	0.30	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Vanadium	34		0.30	0.071	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1
Zinc	54		1.2	0.53	mg/Kg	☆	04/04/23 20:39	04/06/23 19:37	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 11:28	1

Method: SW846 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		04/03/23 14:55	04/04/23 09:05	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.019	0.010	mg/Kg	☆	03/31/23 14:20	04/03/23 08:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			04/03/23 15:55	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-6(0-5)-032823

Lab Sample ID: 500-231346-13

Date Collected: 03/28/23 13:15

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 78.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.018		0.017	0.0075	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Ethylbenzene	<0.0017		0.0017	0.00082	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00076	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1
Xylenes, Total	<0.0034		0.0034	0.00055	mg/Kg	☼	03/28/23 17:48	04/05/23 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	03/28/23 17:48	04/05/23 13:13	1
Dibromofluoromethane (Surr)	93		75 - 126	03/28/23 17:48	04/05/23 13:13	1
1,2-Dichloroethane-d4 (Surr)	88		70 - 134	03/28/23 17:48	04/05/23 13:13	1
Toluene-d8 (Surr)	92		75 - 124	03/28/23 17:48	04/05/23 13:13	1

Method: SW846 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	☼	04/05/23 07:24	04/06/23 00:00	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	☼	04/05/23 07:24	04/06/23 00:00	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	☼	04/05/23 07:24	04/06/23 00:00	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	☼	04/05/23 07:24	04/06/23 00:00	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	☼	04/05/23 07:24	04/06/23 00:00	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-6(0-5)-032823

Lab Sample ID: 500-231346-13

Date Collected: 03/28/23 13:15

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 78.2

Method: SW846 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	✳	04/05/23 07:24	04/06/23 00:00	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
2,4-Dichlorophenol	<0.41		0.41	0.099	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
2,4-Dinitrophenol	<0.84		0.84	0.73	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
2,4-Dinitrotoluene	<0.21		0.21	0.066	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
2,6-Dinitrotoluene	<0.21		0.21	0.082	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
2-Chloronaphthalene	<0.21		0.21	0.046	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
2-Chlorophenol	<0.21		0.21	0.071	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
2-Methylnaphthalene	<0.084		0.084	0.0077	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
2-Methylphenol	<0.21		0.21	0.067	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
2-Nitroaniline	<0.21		0.21	0.056	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
2-Nitrophenol	<0.41		0.41	0.098	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.33	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
4-Chloroaniline	<0.84		0.84	0.20	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
4-Nitrophenol	<0.84		0.84	0.40	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Acenaphthene	<0.041		0.041	0.0075	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Acenaphthylene	<0.041		0.041	0.0055	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Anthracene	<0.041		0.041	0.0070	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Benzo[a]anthracene	<0.041		0.041	0.0056	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Benzo[a]pyrene	<0.041		0.041	0.0081	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Benzo[b]fluoranthene	<0.041		0.041	0.0090	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.076	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Butyl benzyl phthalate	<0.21		0.21	0.079	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Carbazole	<0.21		0.21	0.10	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Chrysene	<0.041		0.041	0.011	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0080	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Di-n-octyl phthalate	<0.21		0.21	0.068	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Fluoranthene	<0.041		0.041	0.0077	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Fluorene	<0.041		0.041	0.0059	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Hexachlorobenzene	<0.084		0.084	0.0097	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Hexachlorocyclopentadiene	<0.84		0.84	0.24	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	✳	04/05/23 07:24	04/06/23 00:00	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-6(0-5)-032823

Lab Sample ID: 500-231346-13

Date Collected: 03/28/23 13:15

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 78.2

Method: SW846 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	☼	04/05/23 07:24	04/06/23 00:00	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	04/05/23 07:24	04/06/23 00:00	1
Naphthalene	<0.041		0.041	0.0064	mg/Kg	☼	04/05/23 07:24	04/06/23 00:00	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	04/05/23 07:24	04/06/23 00:00	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.051	mg/Kg	☼	04/05/23 07:24	04/06/23 00:00	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	04/05/23 07:24	04/06/23 00:00	1
Pentachlorophenol	<0.84		0.84	0.67	mg/Kg	☼	04/05/23 07:24	04/06/23 00:00	1
Phenanthrene	<0.041		0.041	0.0058	mg/Kg	☼	04/05/23 07:24	04/06/23 00:00	1
Phenol	<0.21		0.21	0.093	mg/Kg	☼	04/05/23 07:24	04/06/23 00:00	1
Pyrene	<0.041		0.041	0.0083	mg/Kg	☼	04/05/23 07:24	04/06/23 00:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	78		31 - 143	04/05/23 07:24	04/06/23 00:00	1
2-Fluorobiphenyl (Surr)	77		43 - 145	04/05/23 07:24	04/06/23 00:00	1
2-Fluorophenol (Surr)	75		31 - 166	04/05/23 07:24	04/06/23 00:00	1
Nitrobenzene-d5 (Surr)	75		37 - 147	04/05/23 07:24	04/06/23 00:00	1
Phenol-d5 (Surr)	79		30 - 153	04/05/23 07:24	04/06/23 00:00	1
Terphenyl-d14 (Surr)	102		42 - 157	04/05/23 07:24	04/06/23 00:00	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		04/03/23 17:43	04/04/23 16:26	1
Barium	0.69		0.50	0.050	mg/L		04/03/23 17:43	04/04/23 16:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 16:26	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 16:26	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:26	1
Cobalt	0.018	J	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:26	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:26	1
Iron	<0.40		0.40	0.20	mg/L		04/03/23 17:43	04/04/23 16:26	1
Lead	0.023		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 16:26	1
Manganese	3.2		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:26	1
Nickel	0.014	J	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:26	1
Selenium	0.026	J	0.050	0.020	mg/L		04/03/23 17:43	04/04/23 16:26	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:26	1
Zinc	0.028	J	0.50	0.020	mg/L		04/03/23 17:43	04/04/23 16:26	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.055		0.050	0.010	mg/L		04/03/23 17:47	04/04/23 20:24	1
Barium	0.92		0.50	0.050	mg/L		04/03/23 17:47	04/04/23 20:24	1
Beryllium	0.0092		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 20:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 20:24	1
Chromium	0.19		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:24	1
Cobalt	0.054		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:24	1
Copper	0.18		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:24	1
Iron	190		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 20:24	1
Lead	0.12		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 20:24	1
Manganese	1.1		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:24	1
Nickel	0.17		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:24	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 20:24	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-6(0-5)-032823

Lab Sample ID: 500-231346-13

Date Collected: 03/28/23 13:15

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 78.2

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:24	1
Zinc	0.53		0.50	0.020	mg/L		04/03/23 17:47	04/04/23 20:24	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16000	B	13	5.2	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Antimony	<1.3		1.3	0.25	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Arsenic	5.4		0.64	0.22	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Barium	110		0.64	0.073	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Beryllium	0.85		0.25	0.059	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Cadmium	0.20		0.13	0.023	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Calcium	11000	B	13	2.2	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Chromium	19		0.64	0.32	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Cobalt	11		0.32	0.083	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Copper	17		0.64	0.18	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Iron	17000	B	13	6.6	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Lead	17		0.32	0.15	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Magnesium	6900	B	6.4	3.2	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Manganese	210	B	0.64	0.092	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Nickel	23		0.64	0.19	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Potassium	1400		32	11	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Selenium	<0.64		0.64	0.37	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Silver	0.54		0.32	0.082	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Sodium	1200		64	9.4	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Thallium	<0.64		0.64	0.32	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Vanadium	34		0.32	0.075	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1
Zinc	61		1.3	0.56	mg/Kg	☆	04/04/23 20:39	04/06/23 19:40	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 11:34	1

Method: SW846 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		04/03/23 14:55	04/04/23 09:07	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.020	0.010	mg/Kg	☆	03/31/23 14:20	04/03/23 08:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3		0.2	0.2	SU			04/03/23 15:57	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-6(5-10)-032823

Lab Sample ID: 500-231346-14

Date Collected: 03/28/23 13:20

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 82.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.023		0.015	0.0067	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Bromomethane	<0.0038		0.0038	0.0015	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Carbon disulfide	<0.0038		0.0038	0.00080	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Carbon tetrachloride	<0.0015		0.0015	0.00045	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Chlorobenzene	<0.0015		0.0015	0.00057	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
1,1-Dichloroethane	<0.0015		0.0015	0.00053	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Ethylbenzene	<0.0015		0.0015	0.00074	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Methyl Ethyl Ketone	0.0030 J		0.0038	0.0017	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00052	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	✱	03/28/23 17:48	04/05/23 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	03/28/23 17:48	04/05/23 13:39	1
Dibromofluoromethane (Surr)	94		75 - 126	03/28/23 17:48	04/05/23 13:39	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	03/28/23 17:48	04/05/23 13:39	1
Toluene-d8 (Surr)	92		75 - 124	03/28/23 17:48	04/05/23 13:39	1

Method: SW846 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	✱	04/05/23 07:24	04/05/23 21:51	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	✱	04/05/23 07:24	04/05/23 21:51	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	✱	04/05/23 07:24	04/05/23 21:51	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	✱	04/05/23 07:24	04/05/23 21:51	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	✱	04/05/23 07:24	04/05/23 21:51	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-6(5-10)-032823

Lab Sample ID: 500-231346-14

Date Collected: 03/28/23 13:20

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 82.3

Method: SW846 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	☼	04/05/23 07:24	04/05/23 21:51	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Benzo[a]pyrene	<0.038		0.038	0.0075	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Chrysene	<0.038		0.038	0.011	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-6(5-10)-032823

Lab Sample ID: 500-231346-14

Date Collected: 03/28/23 13:20

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 82.3

Method: SW846 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	☼	04/05/23 07:24	04/05/23 21:51	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	☼	04/05/23 07:24	04/05/23 21:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		31 - 143				04/05/23 07:24	04/05/23 21:51	1
2-Fluorobiphenyl (Surr)	45		43 - 145				04/05/23 07:24	04/05/23 21:51	1
2-Fluorophenol (Surr)	51		31 - 166				04/05/23 07:24	04/05/23 21:51	1
Nitrobenzene-d5 (Surr)	42		37 - 147				04/05/23 07:24	04/05/23 21:51	1
Phenol-d5 (Surr)	57		30 - 153				04/05/23 07:24	04/05/23 21:51	1
Terphenyl-d14 (Surr)	103		42 - 157				04/05/23 07:24	04/05/23 21:51	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:43	04/04/23 16:42	1
Barium	0.63		0.50	0.050	mg/L		04/03/23 17:43	04/04/23 16:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 16:42	1
Cadmium	0.0047	J	0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 16:42	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:42	1
Cobalt	0.042		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:42	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:42	1
Iron	0.21	J	0.40	0.20	mg/L		04/03/23 17:43	04/04/23 16:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 16:42	1
Manganese	6.7		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:42	1
Nickel	0.044		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:42	1
Selenium	0.022	J	0.050	0.020	mg/L		04/03/23 17:43	04/04/23 16:42	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:42	1
Zinc	<0.50		0.50	0.020	mg/L		04/03/23 17:43	04/04/23 16:42	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:47	04/04/23 20:27	1
Barium	0.19	J	0.50	0.050	mg/L		04/03/23 17:47	04/04/23 20:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 20:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 20:27	1
Chromium	0.040		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:27	1
Cobalt	0.012	J	0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:27	1
Copper	0.028		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:27	1
Iron	32		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 20:27	1
Lead	0.016		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 20:27	1
Manganese	0.29		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:27	1
Nickel	0.037		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:27	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 20:27	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-6(5-10)-032823

Lab Sample ID: 500-231346-14

Date Collected: 03/28/23 13:20

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 82.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:27	1
Zinc	0.072	J	0.50	0.020	mg/L		04/03/23 17:47	04/04/23 20:27	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000	B	12	4.8	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Arsenic	8.6		0.59	0.20	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Barium	82		0.59	0.067	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Beryllium	0.86		0.23	0.055	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Cadmium	0.36		0.12	0.021	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Calcium	81000	B	59	9.9	mg/Kg	☆	04/04/23 20:39	04/07/23 14:35	5
Chromium	18		0.59	0.29	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Cobalt	13		0.29	0.077	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Copper	20		0.59	0.16	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Iron	20000	B	12	6.1	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Lead	13		0.29	0.14	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Magnesium	20000	B	5.9	2.9	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Manganese	410	B	0.59	0.085	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Nickel	32		0.59	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Potassium	2600		29	10	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Selenium	<0.59		0.59	0.34	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Silver	0.38		0.29	0.076	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Sodium	570		59	8.7	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Thallium	<0.59		0.59	0.29	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Vanadium	26		0.29	0.069	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1
Zinc	54		1.2	0.52	mg/Kg	☆	04/04/23 20:39	04/06/23 19:43	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:12	1

Method: SW846 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		04/03/23 14:55	04/04/23 09:10	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.020	0.010	mg/Kg	☆	03/31/23 14:20	04/03/23 08:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			04/03/23 15:59	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-6(10-15)-032823

Lab Sample ID: 500-231346-15

Date Collected: 03/28/23 13:25

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 83.5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0065	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Carbon disulfide	<0.0037		0.0037	0.00077	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Ethylbenzene	<0.0015		0.0015	0.00071	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0017	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☆	03/28/23 17:48	04/05/23 14:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 131	03/28/23 17:48	04/05/23 14:05	1
Dibromofluoromethane (Surr)	96		75 - 126	03/28/23 17:48	04/05/23 14:05	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	03/28/23 17:48	04/05/23 14:05	1
Toluene-d8 (Surr)	91		75 - 124	03/28/23 17:48	04/05/23 14:05	1

Method: SW846 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	☆	04/05/23 07:24	04/05/23 22:17	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☆	04/05/23 07:24	04/05/23 22:17	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☆	04/05/23 07:24	04/05/23 22:17	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☆	04/05/23 07:24	04/05/23 22:17	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☆	04/05/23 07:24	04/05/23 22:17	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-6(10-15)-032823

Lab Sample ID: 500-231346-15

Date Collected: 03/28/23 13:25

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 83.5

Method: SW846 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	✳	04/05/23 07:24	04/05/23 22:17	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Carbazole	<0.20		0.20	0.098	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	✳	04/05/23 07:24	04/05/23 22:17	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-6(10-15)-032823

Lab Sample ID: 500-231346-15

Date Collected: 03/28/23 13:25

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 83.5

Method: SW846 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	☼	04/05/23 07:24	04/05/23 22:17	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/05/23 07:24	04/05/23 22:17	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/05/23 07:24	04/05/23 22:17	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	04/05/23 07:24	04/05/23 22:17	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/05/23 07:24	04/05/23 22:17	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/05/23 07:24	04/05/23 22:17	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	04/05/23 07:24	04/05/23 22:17	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	04/05/23 07:24	04/05/23 22:17	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/05/23 07:24	04/05/23 22:17	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	04/05/23 07:24	04/05/23 22:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		31 - 143	04/05/23 07:24	04/05/23 22:17	1
2-Fluorobiphenyl (Surr)	78		43 - 145	04/05/23 07:24	04/05/23 22:17	1
2-Fluorophenol (Surr)	75		31 - 166	04/05/23 07:24	04/05/23 22:17	1
Nitrobenzene-d5 (Surr)	73		37 - 147	04/05/23 07:24	04/05/23 22:17	1
Phenol-d5 (Surr)	80		30 - 153	04/05/23 07:24	04/05/23 22:17	1
Terphenyl-d14 (Surr)	100		42 - 157	04/05/23 07:24	04/05/23 22:17	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:43	04/04/23 16:45	1
Barium	0.46	J	0.50	0.050	mg/L		04/03/23 17:43	04/04/23 16:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 16:45	1
Cadmium	0.0039	J	0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 16:45	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:45	1
Cobalt	0.014	J	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:45	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:45	1
Iron	<0.40		0.40	0.20	mg/L		04/03/23 17:43	04/04/23 16:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 16:45	1
Manganese	3.5		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:45	1
Nickel	0.046		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:45	1
Selenium	0.033	J	0.050	0.020	mg/L		04/03/23 17:43	04/04/23 16:45	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:45	1
Zinc	0.030	J	0.50	0.020	mg/L		04/03/23 17:43	04/04/23 16:45	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:47	04/04/23 20:30	1
Barium	<0.50		0.50	0.050	mg/L		04/03/23 17:47	04/04/23 20:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 20:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 20:30	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:30	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:30	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:30	1
Iron	4.9		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 20:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 20:30	1
Manganese	0.024	J	0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:30	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:30	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 20:30	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: NW-6(10-15)-032823

Lab Sample ID: 500-231346-15

Date Collected: 03/28/23 13:25

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 83.5

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:30	1
Zinc	<0.50		0.50	0.020	mg/L		04/03/23 17:47	04/04/23 20:30	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000	B	12	4.8	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Arsenic	6.8		0.59	0.20	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Barium	57		0.59	0.067	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Beryllium	0.84		0.23	0.055	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Cadmium	0.21		0.12	0.021	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Calcium	70000	B	59	9.9	mg/Kg	☆	04/04/23 20:39	04/07/23 14:38	5
Chromium	19		0.59	0.29	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Cobalt	11		0.29	0.077	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Copper	19		0.59	0.16	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Iron	19000	B	12	6.1	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Lead	12		0.29	0.14	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Magnesium	22000	B	5.9	2.9	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Manganese	260	B	0.59	0.085	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Nickel	28		0.59	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Potassium	3100		29	10	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Selenium	<0.59		0.59	0.34	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Silver	0.38		0.29	0.076	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Sodium	370		59	8.7	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Thallium	0.31	J	0.59	0.29	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Vanadium	25		0.29	0.069	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1
Zinc	56		1.2	0.51	mg/Kg	☆	04/04/23 20:39	04/06/23 19:46	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:15	1

Method: SW846 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		04/03/23 14:55	04/04/23 09:16	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.019	0.0098	mg/Kg	☆	03/31/23 14:20	04/03/23 08:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/03/23 16:02	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

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
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 exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record 640961



Environment Testing
America

Address _____



500-231346 COC

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: A. Steyers		Site Contact: C. Pence		Date: 3-28-23		COC No: _____ of _____ COCs	
Company Name: <u>Weston Solutions</u>		Tel/Email: _____		Lab Contact: <u>R. Wright</u>		Carrier: _____		Sampler: _____	
Address: <u>300 Knightbridge Parkway</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS/MSD (Y/N) VOCs SVOCs Total Metals TeCP/SPCP Metals pH				For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/> Job / SDG No <u>500-231346</u>	
City/State/Zip: <u>Winchester, NC</u>									
Phone: _____									
Fax: _____									
Project Name: <u>IDOT 051</u>									
Site: <u>I-80</u>									
P O #: _____									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp G=Grab)	Matrix	# of Cont.	Sample Specific Notes		
<u>NW-1(0.5)-032823</u>		<u>3-27-23</u>	<u>0910</u>	<u>G</u>	<u>S</u>	<u>6</u>			
<u>NW-1(5-10)-032823</u>			<u>0915</u>						
<u>RAW-8(0.5)-032823</u>			<u>0930</u>						
<u>RAW-8(0.5)-032823D</u>			<u>0930</u>						
<u>NW-2(0.5)-032823</u>			<u>0950</u>						
<u>RAW-9(0.5)-032823</u>			<u>1030</u>						
<u>NW-3(0.5)-032823</u>			<u>1045</u>						
<u>RAW-11(0.5)-032823</u>			<u>1115</u>						
<u>RAW-11(5-10)-032823</u>			<u>1120</u>						
<u>NW-4(0.5)-032823</u>			<u>1150</u>						
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments: <div style="text-align: right; font-size: 1.2em;">49+38, 50+49</div>									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____		Corr'd _____		Therm ID No _____	
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>3-28-23/1600</u>		Received by: <u>M.A. Ellin</u>		Company: <u>EETA</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>3/28/23 1653</u>		Received by: _____		Company: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: <u>Stephanie Hernandez</u>		Company: <u>EETA</u>	

Chain of Custody Record 640960



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <i>A. Slezeev</i>		Site Contact: <i>C. Pence</i>		Date: <i>3-28-23</i>		COC No			
Company Name: <i>Weston Solutions</i>		Tel/Email		Lab Contact: <i>R. Wright</i>		Carrier:		2 of _____ COCs			
Address: <i>300 Knightsbridge Pkwy</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS/MSD (Y/N) <i>VOCS</i> <i>SUOCs</i> <i>Total Metals</i> <i>TCLP/SPL Metals</i> <i>pH</i>						Sampler:	
City/State/Zip: <i>Lincolnshire, IL</i>										For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>	
Phone								Job / SDG No			
Fax								<i>500-231340</i>			
Project Name: <i>IDOT I-80 OS1</i>											
Site: <i>I-80</i>											
P O #											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.			Sample Specific Notes		
<i>NW-4(5-10)-032823</i>		<i>3/28/23</i>	<i>1155</i>	<i>G</i>	<i>S</i>	<i>6</i>	<i>X</i>	<i>X</i>			
<i>NW-5(0-5)-032823</i>			<i>1215</i>								
<i>NW-6(0-5)-032823</i>			<i>1315</i>								
<i>NW-6(5-10)-032823</i>			<i>1328</i>								
<i>NW-6(10-15)-032823</i>			<i>1325</i>								
<i>ROW-15(0-5)-032823</i>			<i>1340</i>								
<i>ROW-15(0-5)-032823</i>			<i>1340</i>								
<i>ROW-15(5-10)-032823</i>			<i>1345</i>								
<i>ROW-18(0-5)-032823</i>			<i>1450</i>								
<i>ROW-18(5-10)-032823</i>			<i>1455</i>								

Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months	
---	--	---	--

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____	
Relinquished by <i>[Signature]</i>	Company <i>WS</i>	Date/Time <i>3-28-23/1600</i>	Received by <i>[Signature]</i>	Company <i>EETA</i>	Date/Time <i>3/28/23 1600</i>		
Relinquished by <i>[Signature]</i>	Company <i>EETA</i>	Date/Time <i>3/28/23 1653</i>	Received by	Company	Date/Time		
Relinquished by	Company	Date/Time	Received in Laboratory by <i>[Signature]</i>	Company <i>EETA</i>	Date/Time <i>3/28/23 1653</i>		



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 80 (I-80) - e/o River Rd to w/o Houbolt Rd Office Phone Number, if available: _____

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

I-80 Noise Wall - Station 389+00 to Station 401+00 (ISGS Site 2233V3-1)

City: Various State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.48633 Longitude: - 88.18353
(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.): 1,900

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-31 THROUGH ROW-34 WERE SAMPLED ALONG THE PROPOSED I-80 EB NOISEWALL. SEE FIGURE 3-8, AND TABLE 4-1 OF THE 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]:

EUROFINS ANALYTICAL REPORTS - JOB ID: 500-231932-1 AND 500-231934. ALSO SEE FIGURE 4-8 OF THE PRELIMINARY SITE INVESTIGATION REPORT.

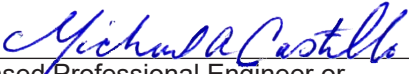
IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Michael A. Castillo, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

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

Company Name: Weston Solutions, Inc.
Street Address: 300 Knightsbridge Parkway; Suite 360
City: Lincolnshire State: IL Zip Code: 60069
Phone: (224) 864-7200

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


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

7 June 2023
Date:



**Summary Table - I-80 ROW - Noise Wall - Station 389+00 - Station 401+00 (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	ROW-31	ROW-32	ROW-33	ROW-34	ROW-34
Field Sample ID		ROW-31(0-5)-040723	ROW-32(0-5)-040723	ROW-33(0-5)-040723	ROW-34(0-5)-040723	ROW-34(5-10)-040723
Sample Date		4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
Laboratory pH	<6.25, >9.0	8.0	8.4	8.4	7.3	7.8
VOCs		No Detections				
SVOCs (mg/kg)						
Anthracene	12000	0.016 J	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	0.059 J	ND	ND	ND	ND
Benzo(a)pyrene	0.09 / 11 / 2.1	0.071	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9 / 13 / 2.1	0.094	ND	ND	ND	ND
Benzo(g,h,i)perylene	---	0.07	ND	ND	ND	ND
Benzo(k)fluoranthene	9	0.037 J	ND	ND	ND	ND
Chrysene	88	0.056	ND	ND	ND	ND
Fluoranthene	3100	0.13	ND	0.024 J	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	0.064	ND	ND	ND	ND
Phenanthrene	---	0.073	ND	ND	ND	ND
Pyrene	2300	0.11	ND	0.025 J	ND	ND
Total Metals (mg/kg)						
Aluminum, Total	---	8800	3500 B	6100 B	6300 B	5300 B
Antimony, Total	5	ND	ND	0.42 J	0.44 J	ND
Arsenic, Total	11.3 / 13	7.4	0.45 J	7	5.5	4.9
Barium, Total	1500	84 B	9.3 J	30	28	25
Beryllium, Total	22	0.67 J	0.46	0.56	0.74	0.43
Cadmium, Total	5.2	ND	ND	0.21 J	0.18 J	0.21 J
Calcium, Total	---	71000	12000 J	78000 B	64000 B	100000 B
Chromium, Total	21	22	5.1 J	8	7.6	7.5
Cobalt, Total	20	7.1	1 J	6.6	11	4.6
Copper, Total	2900	29	4.3 B	12 B	11 B	10 B
Iron, Total	15000 / 15900	20000	1900 B	14000 B	12000 B	13000 B
Lead, Total	107	34	2.5	15	24	8.1
Magnesium, Total	325000	40000	5400 J	46000 B	29000 B	61000 B
Manganese, Total	630 / 636	460 B	38 J	340 B	250 B	310 B
Mercury, Total	0.89	0.028	ND	0.031	0.025	0.01 J
Nickel, Total	100	19	2.6 J	14	17	11
Potassium, Total	---	1400	1700 J	1400	2400	870
Selenium, Total	1.3	ND	ND	ND	ND	ND
Silver, Total	4.4	0.26 J	0.65 J	0.24 J	0.39	0.19 J
Sodium, Total	---	1500	1100	940	1900	380
Thallium, Total	2.6	ND	ND	ND	ND	ND
Vanadium, Total	550	20 B	2.6	14	14	15
Zinc, Total	5100	100	2	39	24	30
TCLP Metals (mg/l)						
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND
Barium, TCLP	2	0.28 J	ND	0.5	0.72	0.22 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	0.002 J	ND	ND	ND	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.047	ND	ND	0.017 J	ND
Copper, TCLP	0.65	ND	ND	ND	ND	ND
Iron, TCLP	5	2.4	ND	ND	ND	ND
Lead, TCLP	0.0075	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	4.9	1.1 B	0.58 B	6.2 B	1.4 B
Mercury, TCLP	0.002	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.053	0.011 J	ND	0.016 J	0.013 J
Selenium, TCLP	0.05	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND
Zinc, TCLP	5	0.032 J	ND	ND	ND	ND

**Summary Table - I-80 ROW - Noise Wall - Station 389+00 - Station 401+00 (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	ROW-31	ROW-32	ROW-33	ROW-34	ROW-34
Field Sample ID		ROW-31(0-5)-040723	ROW-32(0-5)-040723	ROW-33(0-5)-040723	ROW-34(0-5)-040723	ROW-34(5-10)-040723
Sample Date		4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
SPLP Metals (mg/l)						
Arsenic, SPLP	0.05	0.026 J	0.016 J	0.066	0.057	ND
Barium, SPLP	2	0.16 J	0.11 J	0.74	0.47 J	ND
Beryllium, SPLP	0.004	ND	0.0087	0.0076	0.0075	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.049	0.15	0.16	0.12	ND
Cobalt, SPLP	1	0.015 J	0.01 J	0.037	0.045	ND
Copper, SPLP	0.65	0.064	0.1	0.13	0.12	ND
Iron, SPLP	5	58	33	170	130	0.57
Lead, SPLP	0.0075	0.043	0.027	0.11	0.12	ND
Manganese, SPLP	0.15	0.34	0.14	1.3	0.85	ND
Mercury, SPLP	0.002	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.052	0.039	0.14	0.12	0.021 J
Selenium, SPLP	0.05	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.17 J	ND	0.63 B	0.5 J	0.5 J

Notes and Abbreviations:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

 Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/21/2023 4:45:56 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231932-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231932-1	ROW-24(0-5)-040723	Solid	04/07/23 08:00	04/07/23 16:57
500-231932-2	ROW-22(0-5)-040723	Solid	04/07/23 08:15	04/07/23 16:57
500-231932-3	ROW-21(0-5)-040723	Solid	04/07/23 08:40	04/07/23 16:57
500-231932-4	ROW-21(5-10)-040723	Solid	04/07/23 08:45	04/07/23 16:57
500-231932-5	ROW-21(10-15)-040723	Solid	04/07/23 08:50	04/07/23 16:57
500-231932-6	ROW-21(15-18)-040723	Solid	04/07/23 08:55	04/07/23 16:57
500-231932-7	ROW-23(0-5)-040723	Solid	04/07/23 09:00	04/07/23 16:57
500-231932-8	ROW-25(0-5)-040723	Solid	04/07/23 09:20	04/07/23 16:57
500-231932-9	ROW-25(5-10)-040723	Solid	04/07/23 09:25	04/07/23 16:57
500-231932-10	ROW-26(0-5)-040723	Solid	04/07/23 09:40	04/07/23 16:57
500-231932-11	ROW-27(0-5)-040723	Solid	04/07/23 09:55	04/07/23 16:57
500-231932-12	ROW-27(0-5)-040723D	Solid	04/07/23 09:55	04/07/23 16:57
500-231932-13	ROW-28(0-5)-040723	Solid	04/07/23 10:20	04/07/23 16:57
500-231932-14	ROW-29(0-5)-040723	Solid	04/07/23 10:40	04/07/23 16:57
500-231932-15	ROW-29(5-10)-040723	Solid	04/07/23 10:45	04/07/23 16:57
500-231932-16	RC-3(0-5)-040723	Solid	04/07/23 10:50	04/07/23 16:57
500-231932-17	RC-3(5-10)-040723	Solid	04/07/23 10:55	04/07/23 16:57
500-231932-18	RC-3(10-15)-040723	Solid	04/07/23 11:00	04/07/23 16:57
500-231932-19	ROW-30(0-5)-040723	Solid	04/07/23 11:50	04/07/23 16:57
500-231932-20	ROW-31(0-5)-040723	Solid	04/07/23 12:00	04/07/23 16:57

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-31(0-5)-040723

Lab Sample ID: 500-231932-20

Date Collected: 04/07/23 12:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 86.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0072	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Carbon disulfide	<0.0042		0.0042	0.00086	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Chloroethane	<0.0042		0.0042	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
1,3-Dichloropropane, Total	<0.0017		0.0017	0.00058	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Methylene Chloride	<0.0042		0.0042	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0018	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		75 - 131	04/08/23 12:30	04/17/23 14:58	1
Dibromofluoromethane (Surr)	99		75 - 126	04/08/23 12:30	04/17/23 14:58	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	04/08/23 12:30	04/17/23 14:58	1
Toluene-d8 (Surr)	95		75 - 124	04/08/23 12:30	04/17/23 14:58	1

Method: SW846 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	✳	04/17/23 14:10	04/18/23 20:17	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-31(0-5)-040723

Lab Sample ID: 500-231932-20

Date Collected: 04/07/23 12:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 86.3

Method: SW846 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	✳	04/17/23 14:10	04/18/23 20:17	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2-Methylnaphthalene	<0.076		0.076	0.0070	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Anthracene	0.016	J	0.038	0.0063	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Benzo[a]anthracene	0.059	*-	0.038	0.0051	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Benzo[a]pyrene	0.071		0.038	0.0073	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Benzo[b]fluoranthene	0.094		0.038	0.0082	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Benzo[g,h,i]perylene	0.070		0.038	0.012	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Benzo[k]fluoranthene	0.037	J	0.038	0.011	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Chrysene	0.056		0.038	0.010	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Fluoranthene	0.13		0.038	0.0070	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	04/17/23 14:10	04/18/23 20:17	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-31(0-5)-040723

Lab Sample ID: 500-231932-20

Date Collected: 04/07/23 12:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 86.3

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.064		0.038	0.0098	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
Phenanthrene	0.073		0.038	0.0053	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1
Pyrene	0.11		0.038	0.0075	mg/Kg	☼	04/17/23 14:10	04/18/23 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	53		31 - 143	04/17/23 14:10	04/18/23 20:17	1
2-Fluorobiphenyl (Surr)	63		43 - 145	04/17/23 14:10	04/18/23 20:17	1
2-Fluorophenol (Surr)	69		31 - 166	04/17/23 14:10	04/18/23 20:17	1
Nitrobenzene-d5 (Surr)	76		37 - 147	04/17/23 14:10	04/18/23 20:17	1
Phenol-d5 (Surr)	72		30 - 153	04/17/23 14:10	04/18/23 20:17	1
Terphenyl-d14 (Surr)	64		42 - 157	04/17/23 14:10	04/18/23 20:17	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 08:09	04/12/23 22:40	1
Barium	0.28	J	0.50	0.050	mg/L		04/12/23 08:09	04/12/23 22:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 08:09	04/12/23 22:40	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		04/12/23 08:09	04/12/23 22:40	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:40	1
Cobalt	0.047		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:40	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:40	1
Iron	2.4		0.40	0.20	mg/L		04/12/23 08:09	04/12/23 22:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 08:09	04/12/23 22:40	1
Manganese	4.9		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:40	1
Nickel	0.053		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:40	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 08:09	04/12/23 22:40	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 08:09	04/12/23 22:40	1
Zinc	0.032	J	0.50	0.020	mg/L		04/12/23 08:09	04/12/23 22:40	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.026	J	0.050	0.010	mg/L		04/11/23 17:12	04/14/23 15:36	1
Barium	0.16	J	0.50	0.050	mg/L		04/11/23 17:12	04/14/23 15:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/23 17:12	04/14/23 15:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/23 17:12	04/14/23 15:36	1
Chromium	0.049		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 15:36	1
Cobalt	0.015	J	0.025	0.010	mg/L		04/11/23 17:12	04/14/23 15:36	1
Copper	0.064		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 15:36	1
Iron	58		0.40	0.20	mg/L		04/11/23 17:12	04/14/23 15:36	1
Lead	0.043		0.0075	0.0075	mg/L		04/11/23 17:12	04/14/23 15:36	1
Manganese	0.34		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 15:36	1
Nickel	0.052		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 15:36	1
Selenium	<0.050		0.050	0.020	mg/L		04/11/23 17:12	04/14/23 15:36	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Client Sample ID: ROW-31(0-5)-040723

Lab Sample ID: 500-231932-20

Date Collected: 04/07/23 12:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 86.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/23 17:12	04/14/23 15:36	1
Zinc	0.17	J	0.50	0.020	mg/L		04/11/23 17:12	04/14/23 15:36	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8800		11	4.4	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Antimony	0.44	J B	1.1	0.21	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Arsenic	7.4		0.54	0.19	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Barium	84	B	2.7	0.31	mg/Kg	☆	04/13/23 09:34	04/17/23 16:40	5
Beryllium	0.67	B	0.22	0.051	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Cadmium	0.47	B	0.11	0.020	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Calcium	71000		54	9.2	mg/Kg	☆	04/13/23 09:34	04/17/23 16:40	5
Chromium	22		0.54	0.27	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Cobalt	7.1		0.27	0.071	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Copper	29		0.54	0.15	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Iron	20000		54	28	mg/Kg	☆	04/13/23 09:34	04/17/23 16:40	5
Lead	34		0.27	0.13	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Magnesium	40000		27	13	mg/Kg	☆	04/13/23 09:34	04/17/23 16:40	5
Manganese	460	B	0.54	0.079	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Nickel	19		2.7	0.79	mg/Kg	☆	04/13/23 09:34	04/17/23 16:40	5
Potassium	1400		27	9.6	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Selenium	<0.54		0.54	0.32	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Silver	0.26	J	0.27	0.070	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Sodium	1500		54	8.0	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Thallium	<0.54		0.54	0.27	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Vanadium	20	B	0.27	0.064	mg/Kg	☆	04/13/23 09:34	04/14/23 20:27	1
Zinc	100		5.4	2.4	mg/Kg	☆	04/13/23 09:34	04/17/23 16:40	5

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/11/23 17:05	04/12/23 12:56	1

Method: SW846 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		04/12/23 10:50	04/13/23 10:20	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.019	0.0099	mg/Kg	☆	04/12/23 17:00	04/13/23 10:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0		0.2	0.2	SU			04/11/23 20:45	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

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 and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control 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.
S1-	Surrogate recovery exceeds control limits, low biased.

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 exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231932-1

Glossary (Continued)

Abbreviation **These commonly used abbreviations may or may not be present in this report.**

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)
TNTC	Too Numerous To Count

- 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 - I-80, Joliet - WO 051

Job ID: 500-231932-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

1

2

3

4

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6

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10

11

12

13

14

15

Chain of Custody Record

523563




Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <i>A. Slessers</i>		Site Contact: <i>C. Pence</i>		Date: <i>4-7-23</i>		COC No: _____	
Company Name: <i>Weston Solutions</i>		Tel/Email: _____		Lab Contact: <i>R. Wright</i>		Carrier: _____		_____ of <i>4</i> COCs	
Address: <i>300 Knightsbridge Pkwy</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
City/State/Zip: <i>Chicagoland, IL</i>									
Phone: _____		Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ VOCs _____ SVOCs _____ Metals _____ TSP / SPP Metals _____ PH _____							
Fax: _____									
Project Name: <i>EDBT 051</i>									
Site: <i>I-80</i>									
P O #: _____									
 500-231932 COC		Job / SDG No <i>500-231932</i>		Sampler: Walk-in Client _____ Lab Sampling _____		Sample Specific Notes			
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp G=Grab)	Matrix	# of Cont.			
<i>1</i>	<i>Row-24 (0-5) -040723</i>	<i>4-7-23</i>	<i>0800</i>	<i>G</i>	<i>S</i>	<i>6</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>2</i>	<i>Row-22 (0-5) -040723</i>		<i>0815</i>						
<i>3</i>	<i>Row-21 (0-5) -040723</i>		<i>0840</i>						
<i>4</i>	<i>Row-21 (5-10) -040723</i>		<i>0845</i>						
<i>5</i>	<i>Row-21 (10-15) -040723</i>		<i>0850</i>						
<i>6</i>	<i>Row-21 (15-18) -040723</i>		<i>0855</i>						
<i>7</i>	<i>Row-23 (0-5) -040723</i>		<i>0900</i>						
<i>8</i>	<i>Row-25 (0-5) -040723</i>		<i>0920</i>						
<i>9</i>	<i>Row-25 (5-10) -040723</i>		<i>0925</i>						
<i>10</i>	<i>Row-26 (0-5) -040723</i>		<i>0940</i>						
Preservation Used; 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments: <div style="text-align: right; font-size: 1.2em;"><i>5,3-74,2,4,1-73,0,5,4-743</i></div>									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____		Corr'd: _____		Therm ID No _____	
Relinquished by: _____		Company: <i>WS</i>		Date/Time: <i>4-7-23/1610</i>		Received by: _____		Company: <i>EETA</i>	
Relinquished by: _____		Company: <i>EETA</i>		Date/Time: <i>4/7/23/1657</i>		Received by: _____		Company: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received by: _____		Company: <i>EETA</i>	

Chain of Custody Record

523568



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager A. Slesace		Site Contact C. Pace		Date 4-7-23		COC No			
Company Name <i>Weston Solutions</i>		Tel/Email:		Lab Contact. <i>R. Wright</i>		Carrier		2 of 4 COCs			
Address. <i>300 Kingsbridge Pkwy</i>		Analysis Turnaround Time									
City/State/Zip <i>Lincolnshire, IL</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ VOCs _____ SVOCs _____ Total Metals _____ TCEP / SPLP Metals _____ pH _____						Sampler	
Phone _____		TAT if different from Below _____								For Lab Use Only	
Fax _____		<input type="checkbox"/> 2 weeks								Walk-in Client <input type="checkbox"/>	
Project Name <i>FOOT 051</i>		<input type="checkbox"/> 1 week								Lab Sampling <input type="checkbox"/>	
Site <i>I 80</i>		<input type="checkbox"/> 2 days								Job / SDG No	
P O # _____		<input type="checkbox"/> 1 day		500-231932							
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes				
11	Row-27(0-5)-040723	4-7-23	0955	G	S	6	X	X	X		
12	Row-27(0-5)-040723D		0955								
13	Row-28(0-5)-040723		1020								
14	Row-24(0-5)-040723		1040								
15	Row-28(5-10)-040723		1045								
16	RC-3(0-5)-040723		1050								
17	RC-3(5-10)-040723		1055								
18	RC-3(10-15)-040723		1100								
19	Row-30(0-5)-040723		1150								
20	Row-31(0-5)-040723		1200								
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other											
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
<input checked="" type="checkbox"/> Non Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months						
Special Instructions/QC Requirements & Comments: 41-730											
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____ Corr'd. _____		Therm ID No _____					
Relinquished by <i>[Signature]</i>		Company <i>WS</i>		Date/Time <i>4-23/1610</i>		Received by <i>[Signature]</i>		Company <i>EBTA</i>			
Relinquished by <i>[Signature]</i>		Company <i>EBTA</i>		Date/Time <i>4/23/23</i>		Received by <i>[Signature]</i>		Company <i>EBTA</i>			
Relinquished by <i>[Signature]</i>		Company <i>EBTA</i>		Date/Time <i>4/23/23</i>		Received in Laboratory by <i>[Signature]</i>		Company <i>EBTA</i>			

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/24/2023 5:24:52 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231934-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231934-1	ROW-32(0-5)-040723	Solid	04/07/23 12:25	04/07/23 16:57
500-231934-2	ROW-33(0-5)-040723	Solid	04/07/23 12:40	04/07/23 16:57
500-231934-3	ROW-34(0-5)-040723	Solid	04/07/23 12:55	04/07/23 16:57
500-231934-4	ROW-34(5-10)-040723	Solid	04/07/23 13:00	04/07/23 16:57
500-231934-5	ROW-35(0-5)-040723	Solid	04/07/23 13:10	04/07/23 16:57
500-231934-6	ROW-35(5-10)-040723	Solid	04/07/23 13:15	04/07/23 16:57
500-231934-7	ROW-35(5-10)-040723D	Solid	04/07/23 13:15	04/07/23 16:57
500-231934-8	ROW-35(10-15)-040723	Solid	04/07/23 13:20	04/07/23 16:57
500-231934-9	ROW-36(0-5)-040723	Solid	04/07/23 13:35	04/07/23 16:57
500-231934-10	DB-2(0-5)-040723	Solid	04/07/23 14:40	04/07/23 16:57
500-231934-11	DB-2(5-10)-040723	Solid	04/07/23 14:45	04/07/23 16:57
500-231934-12	DB-3(0-5)-040723	Solid	04/07/23 15:00	04/07/23 16:57
500-231934-13	DB-3(5-10)-040723	Solid	04/07/23 15:05	04/07/23 16:57
500-231934-14	DB-1(0-5)-040723	Solid	04/07/23 15:25	04/07/23 16:57
500-231934-15	DB-1(0-5)-040723D	Solid	04/07/23 15:25	04/07/23 16:57
500-231934-16	DB-1(5-10)-040723	Solid	04/07/23 15:30	04/07/23 16:57



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-32(0-5)-040723

Lab Sample ID: 500-231934-1

Date Collected: 04/07/23 12:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.014		0.014	0.0062	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Bromoform	<0.0014		0.0014	0.00041	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Bromomethane	<0.0036		0.0036	0.0013	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Carbon disulfide	<0.0036		0.0036	0.00074	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Chlorobenzene	<0.0014		0.0014	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Chloroform	<0.0014		0.0014	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Chloromethane	<0.0036		0.0036	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Dibromochloromethane	<0.0014		0.0014	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Tetrachloroethene	<0.0014		0.0014	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1
Xylenes, Total	<0.0028		0.0028	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		75 - 131	04/08/23 12:30	04/17/23 18:48	1
Dibromofluoromethane (Surr)	96		75 - 126	04/08/23 12:30	04/17/23 18:48	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	04/08/23 12:30	04/17/23 18:48	1
Toluene-d8 (Surr)	89		75 - 124	04/08/23 12:30	04/17/23 18:48	1

Method: SW846 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	✳	04/20/23 07:08	04/20/23 18:37	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/20/23 07:08	04/20/23 18:37	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/20/23 07:08	04/20/23 18:37	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/20/23 07:08	04/20/23 18:37	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/20/23 07:08	04/20/23 18:37	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-32(0-5)-040723

Lab Sample ID: 500-231934-1

Date Collected: 04/07/23 12:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.3

Method: SW846 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	☼	04/20/23 07:08	04/20/23 18:37	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2-Methylnaphthalene	<0.076		0.076	0.0070	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Benzo[a]pyrene	<0.038	*3	0.038	0.0073	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Benzo[b]fluoranthene	<0.038	*3	0.038	0.0082	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Benzo[g,h,i]perylene	<0.038	*3	0.038	0.012	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Benzo[k]fluoranthene	<0.038	*3	0.038	0.011	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Dibenz(a,h)anthracene	<0.038	*3	0.038	0.0073	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-32(0-5)-040723

Lab Sample ID: 500-231934-1

Date Collected: 04/07/23 12:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.3

Method: SW846 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	*3	0.038	0.0098	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	04/20/23 07:08	04/20/23 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	54		31 - 143	04/20/23 07:08	04/20/23 18:37	1
2-Fluorobiphenyl (Surr)	79		43 - 145	04/20/23 07:08	04/20/23 18:37	1
2-Fluorophenol (Surr)	84		31 - 166	04/20/23 07:08	04/20/23 18:37	1
Nitrobenzene-d5 (Surr)	96		37 - 147	04/20/23 07:08	04/20/23 18:37	1
Phenol-d5 (Surr)	88		30 - 153	04/20/23 07:08	04/20/23 18:37	1
Terphenyl-d14 (Surr)	93		42 - 157	04/20/23 07:08	04/20/23 18:37	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 16:53	04/13/23 12:44	1
Barium	<0.50		0.50	0.050	mg/L		04/12/23 16:53	04/13/23 12:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:53	04/13/23 12:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:53	04/13/23 12:44	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:44	1
Cobalt	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:44	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:44	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:53	04/13/23 12:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:53	04/13/23 12:44	1
Manganese	1.1	B	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:44	1
Nickel	0.011	J	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:44	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:53	04/13/23 12:44	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:44	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 16:53	04/13/23 12:44	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.016	J	0.050	0.010	mg/L		04/12/23 16:54	04/13/23 22:06	1
Barium	0.11	J	0.50	0.050	mg/L		04/12/23 16:54	04/13/23 22:06	1
Beryllium	0.0087		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 22:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 22:06	1
Chromium	0.15		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:06	1
Cobalt	0.010	J	0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:06	1
Copper	0.10		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:06	1
Iron	33		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 22:06	1
Lead	0.027		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 22:06	1
Manganese	0.14		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:06	1
Nickel	0.039		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:06	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 22:06	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-32(0-5)-040723

Lab Sample ID: 500-231934-1

Date Collected: 04/07/23 12:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:06	1
Zinc	0.037	J B	0.50	0.020	mg/L		04/12/23 16:54	04/13/23 22:06	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3500	B	11	4.4	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Antimony	<1.1	F1	1.1	0.21	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Arsenic	0.45	J F1	0.54	0.19	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Barium	9.3		0.54	0.062	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Beryllium	0.46		0.22	0.051	mg/Kg	☆	04/13/23 09:36	04/14/23 20:37	1
Cadmium	0.040	J B F1	0.11	0.020	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Calcium	12000	B F2	11	1.8	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Chromium	5.1	F1	0.54	0.27	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Cobalt	1.0		0.27	0.071	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Copper	4.3	B	0.54	0.15	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Iron	1900	B	11	5.6	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Lead	2.5		0.27	0.13	mg/Kg	☆	04/13/23 09:36	04/14/23 20:37	1
Magnesium	5400	B	5.4	2.7	mg/Kg	☆	04/13/23 09:36	04/14/23 20:37	1
Manganese	38	B F1 F2	0.54	0.079	mg/Kg	☆	04/13/23 09:36	04/14/23 20:37	1
Nickel	2.6		0.54	0.16	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Potassium	1700	F1	27	9.6	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Selenium	<0.54	F1	0.54	0.32	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Silver	0.65	F1	0.27	0.070	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Sodium	1100		54	8.0	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1
Thallium	<0.54		0.54	0.27	mg/Kg	☆	04/13/23 09:36	04/14/23 20:37	1
Vanadium	2.6		0.27	0.064	mg/Kg	☆	04/13/23 09:36	04/14/23 20:37	1
Zinc	2.0		1.1	0.48	mg/Kg	☆	04/13/23 09:36	04/17/23 19:39	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 11:08	1

Method: SW846 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		04/13/23 11:45	04/14/23 09:06	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.018		0.018	0.0096	mg/Kg	☆	04/12/23 17:00	04/13/23 07:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4		0.2	0.2	SU			04/11/23 20:47	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-33(0-5)-040723

Lab Sample ID: 500-231934-2

Date Collected: 04/07/23 12:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.014		0.014	0.0062	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Bromoform	<0.0014		0.0014	0.00041	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Bromomethane	<0.0035		0.0035	0.0013	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Carbon disulfide	<0.0035		0.0035	0.00074	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Chlorobenzene	<0.0014		0.0014	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Chloroethane	<0.0035		0.0035	0.0010	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Chloroform	<0.0014		0.0014	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Chloromethane	<0.0035		0.0035	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Dibromochloromethane	<0.0014		0.0014	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
1,2-Dichloroethane	<0.0035		0.0035	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
1,3-Dichloropropane, Total	<0.0014		0.0014	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
2-Hexanone	<0.0035		0.0035	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Methylene Chloride	<0.0035		0.0035	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Methyl Ethyl Ketone	<0.0035		0.0035	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
methyl isobutyl ketone	<0.0035		0.0035	0.0010	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Tetrachloroethene	<0.0014		0.0014	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1
Xylenes, Total	<0.0028		0.0028	0.00045	mg/Kg	✳	04/08/23 12:30	04/17/23 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	04/08/23 12:30	04/17/23 19:14	1
Dibromofluoromethane (Surr)	95		75 - 126	04/08/23 12:30	04/17/23 19:14	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	04/08/23 12:30	04/17/23 19:14	1
Toluene-d8 (Surr)	91		75 - 124	04/08/23 12:30	04/17/23 19:14	1

Method: SW846 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	✳	04/20/23 07:08	04/20/23 20:16	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	04/20/23 07:08	04/20/23 20:16	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-33(0-5)-040723

Lab Sample ID: 500-231934-2

Date Collected: 04/07/23 12:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.9

Method: SW846 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	☼	04/20/23 07:08	04/20/23 20:16	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
3,3'-Dichlorobenzidine	<0.19	*3	0.19	0.053	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Benzo[a]anthracene	<0.038	*3	0.038	0.0051	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Benzo[a]pyrene	<0.038	*3	0.038	0.0073	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Benzo[b]fluoranthene	<0.038	*3	0.038	0.0081	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Benzo[g,h,i]perylene	<0.038	*3	0.038	0.012	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Benzo[k]fluoranthene	<0.038	*3	0.038	0.011	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Bis(2-ethylhexyl) phthalate	<0.19	*3	0.19	0.069	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Butyl benzyl phthalate	<0.19	*3	0.19	0.072	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Chrysene	<0.038	*3	0.038	0.010	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Dibenz(a,h)anthracene	<0.038	*3	0.038	0.0073	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Fluoranthene	0.024	J	0.038	0.0070	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-33(0-5)-040723

Lab Sample ID: 500-231934-2

Date Collected: 04/07/23 12:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.9

Method: SW846 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	*3	0.038	0.0098	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1
Pyrene	0.025	J *3	0.038	0.0075	mg/Kg	☼	04/20/23 07:08	04/20/23 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	57		31 - 143	04/20/23 07:08	04/20/23 20:16	1
2-Fluorobiphenyl (Surr)	72		43 - 145	04/20/23 07:08	04/20/23 20:16	1
2-Fluorophenol (Surr)	76		31 - 166	04/20/23 07:08	04/20/23 20:16	1
Nitrobenzene-d5 (Surr)	84		37 - 147	04/20/23 07:08	04/20/23 20:16	1
Phenol-d5 (Surr)	80		30 - 153	04/20/23 07:08	04/20/23 20:16	1
Terphenyl-d14 (Surr)	89	*3	42 - 157	04/20/23 07:08	04/20/23 20:16	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J B	0.050	0.010	mg/L		04/12/23 16:53	04/13/23 12:48	1
Barium	0.50		0.50	0.050	mg/L		04/12/23 16:53	04/13/23 12:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:53	04/13/23 12:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:53	04/13/23 12:48	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:48	1
Cobalt	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:48	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:48	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:53	04/13/23 12:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:53	04/13/23 12:48	1
Manganese	0.58	B	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:48	1
Nickel	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:48	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:53	04/13/23 12:48	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:48	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 16:53	04/13/23 12:48	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.066		0.050	0.010	mg/L		04/12/23 16:54	04/13/23 22:09	1
Barium	0.74		0.50	0.050	mg/L		04/12/23 16:54	04/13/23 22:09	1
Beryllium	0.0076		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 22:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 22:09	1
Chromium	0.16		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:09	1
Cobalt	0.037		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:09	1
Copper	0.13		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:09	1
Iron	170		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 22:09	1
Lead	0.11		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 22:09	1
Manganese	1.3		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:09	1
Nickel	0.14		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:09	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 22:09	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-33(0-5)-040723

Lab Sample ID: 500-231934-2

Date Collected: 04/07/23 12:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 85.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:09	1
Zinc	0.63	B	0.50	0.020	mg/L		04/12/23 16:54	04/13/23 22:09	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6100	B	12	4.7	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Antimony	0.42	J	1.2	0.22	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Arsenic	7.0		0.58	0.20	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Barium	30		0.58	0.066	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Beryllium	0.56		0.23	0.054	mg/Kg	☆	04/13/23 09:36	04/14/23 21:00	1
Cadmium	0.21	B	0.12	0.021	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Calcium	78000	B	58	9.8	mg/Kg	☆	04/13/23 09:36	04/18/23 14:34	5
Chromium	8.0		0.58	0.28	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Cobalt	6.6		0.29	0.075	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Copper	12	B	0.58	0.16	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Iron	14000	B	12	6.0	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Lead	15		0.29	0.13	mg/Kg	☆	04/13/23 09:36	04/14/23 21:00	1
Magnesium	46000	B	29	14	mg/Kg	☆	04/13/23 09:36	04/18/23 14:34	5
Manganese	340	B	0.58	0.083	mg/Kg	☆	04/13/23 09:36	04/14/23 21:00	1
Nickel	14		0.58	0.17	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Potassium	1400		29	10	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Silver	0.24	J	0.29	0.074	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Sodium	940		58	8.5	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	04/13/23 09:36	04/14/23 21:00	1
Vanadium	14		0.29	0.068	mg/Kg	☆	04/13/23 09:36	04/14/23 21:00	1
Zinc	39		1.2	0.51	mg/Kg	☆	04/13/23 09:36	04/17/23 20:01	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 11:10	1

Method: SW846 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		04/13/23 11:45	04/14/23 09:09	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.019	0.010	mg/Kg	☆	04/12/23 17:00	04/13/23 07:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4		0.2	0.2	SU			04/11/23 20:50	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-34(0-5)-040723

Lab Sample ID: 500-231934-3

Date Collected: 04/07/23 12:55

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 76.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0071	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Carbon disulfide	<0.0041		0.0041	0.00085	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Carbon tetrachloride	<0.0016		0.0016	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Chlorobenzene	<0.0016		0.0016	0.00061	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Chloroform	<0.0016		0.0016	0.00057	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Dibromochloromethane	<0.0016		0.0016	0.00054	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00058	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Styrene	<0.0016		0.0016	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Tetrachloroethene	<0.0016		0.0016	0.00056	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00073	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00058	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Vinyl chloride	<0.0016		0.0016	0.00073	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1
Xylenes, Total	<0.0033		0.0033	0.00052	mg/Kg	✳	04/08/23 12:30	04/17/23 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	04/08/23 12:30	04/17/23 19:40	1
Dibromofluoromethane (Surr)	97		75 - 126	04/08/23 12:30	04/17/23 19:40	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	04/08/23 12:30	04/17/23 19:40	1
Toluene-d8 (Surr)	88		75 - 124	04/08/23 12:30	04/17/23 19:40	1

Method: SW846 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	✳	04/20/23 07:08	04/20/23 19:01	1
1,2-Dichlorobenzene	<0.21		0.21	0.050	mg/Kg	✳	04/20/23 07:08	04/20/23 19:01	1
1,3-Dichlorobenzene	<0.21		0.21	0.047	mg/Kg	✳	04/20/23 07:08	04/20/23 19:01	1
1,4-Dichlorobenzene	<0.21		0.21	0.054	mg/Kg	✳	04/20/23 07:08	04/20/23 19:01	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.049	mg/Kg	✳	04/20/23 07:08	04/20/23 19:01	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-34(0-5)-040723

Lab Sample ID: 500-231934-3

Date Collected: 04/07/23 12:55

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 76.8

Method: SW846 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	☼	04/20/23 07:08	04/20/23 19:01	1
2,4,6-Trichlorophenol	<0.42		0.42	0.14	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2,4-Dichlorophenol	<0.42		0.42	0.10	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2,4-Dimethylphenol	<0.42		0.42	0.16	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2,4-Dinitrophenol	<0.85		0.85	0.74	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2,4-Dinitrotoluene	<0.21		0.21	0.067	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2,6-Dinitrotoluene	<0.21		0.21	0.083	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2-Chloronaphthalene	<0.21		0.21	0.047	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2-Chlorophenol	<0.21		0.21	0.072	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2-Methylnaphthalene	<0.085		0.085	0.0078	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2-Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2-Nitroaniline	<0.21		0.21	0.057	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
2-Nitrophenol	<0.42		0.42	0.10	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
3 & 4 Methylphenol	<0.21		0.21	0.070	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.059	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
3-Nitroaniline	<0.42		0.42	0.13	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
4,6-Dinitro-2-methylphenol	<0.85		0.85	0.34	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.056	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
4-Chloro-3-methylphenol	<0.42		0.42	0.14	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
4-Chloroaniline	<0.85		0.85	0.20	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.049	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
4-Nitroaniline	<0.42		0.42	0.18	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
4-Nitrophenol	<0.85		0.85	0.40	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Acenaphthene	<0.042		0.042	0.0076	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Acenaphthylene	<0.042		0.042	0.0056	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Anthracene	<0.042		0.042	0.0070	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Benzo[a]anthracene	<0.042		0.042	0.0057	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Benzo[a]pyrene	<0.042	*3	0.042	0.0082	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Benzo[b]fluoranthene	<0.042	*3	0.042	0.0091	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Benzo[g,h,i]perylene	<0.042	*3	0.042	0.014	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Benzo[k]fluoranthene	<0.042	*3	0.042	0.012	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.043	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.063	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.077	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Butyl benzyl phthalate	<0.21		0.21	0.080	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Carbazole	<0.21		0.21	0.11	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Chrysene	<0.042		0.042	0.011	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Dibenz(a,h)anthracene	<0.042	*3	0.042	0.0081	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Dibenzofuran	<0.21		0.21	0.049	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Diethyl phthalate	<0.21		0.21	0.071	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Dimethyl phthalate	<0.21		0.21	0.055	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Di-n-butyl phthalate	<0.21		0.21	0.064	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Di-n-octyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Fluoranthene	<0.042		0.042	0.0078	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Fluorene	<0.042		0.042	0.0059	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Hexachlorobenzene	<0.085		0.085	0.0098	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Hexachlorobutadiene	<0.21		0.21	0.066	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Hexachlorocyclopentadiene	<0.85		0.85	0.24	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Hexachloroethane	<0.21		0.21	0.064	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-34(0-5)-040723

Lab Sample ID: 500-231934-3

Date Collected: 04/07/23 12:55

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 76.8

Method: SW846 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	*3	0.042	0.011	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Isophorone	<0.21		0.21	0.047	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Naphthalene	<0.042		0.042	0.0065	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Nitrobenzene	<0.042		0.042	0.011	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
N-Nitrosodi-n-propylamine	<0.085		0.085	0.052	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
N-Nitrosodiphenylamine	<0.21		0.21	0.050	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Pentachlorophenol	<0.85		0.85	0.68	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Phenanthrene	<0.042		0.042	0.0059	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Phenol	<0.21		0.21	0.094	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1
Pyrene	<0.042		0.042	0.0084	mg/Kg	☼	04/20/23 07:08	04/20/23 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	55		31 - 143	04/20/23 07:08	04/20/23 19:01	1
2-Fluorobiphenyl (Surr)	74		43 - 145	04/20/23 07:08	04/20/23 19:01	1
2-Fluorophenol (Surr)	80		31 - 166	04/20/23 07:08	04/20/23 19:01	1
Nitrobenzene-d5 (Surr)	89		37 - 147	04/20/23 07:08	04/20/23 19:01	1
Phenol-d5 (Surr)	85		30 - 153	04/20/23 07:08	04/20/23 19:01	1
Terphenyl-d14 (Surr)	100		42 - 157	04/20/23 07:08	04/20/23 19:01	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J B	0.050	0.010	mg/L		04/12/23 16:53	04/13/23 12:51	1
Barium	0.72		0.50	0.050	mg/L		04/12/23 16:53	04/13/23 12:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:53	04/13/23 12:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:53	04/13/23 12:51	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:51	1
Cobalt	0.017	J	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:51	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:51	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:53	04/13/23 12:51	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:53	04/13/23 12:51	1
Manganese	6.2	B	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:51	1
Nickel	0.016	J	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:51	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:53	04/13/23 12:51	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:51	1
Zinc	0.048	J B	0.50	0.020	mg/L		04/12/23 16:53	04/13/23 12:51	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.057		0.050	0.010	mg/L		04/12/23 16:54	04/13/23 22:19	1
Barium	0.47	J	0.50	0.050	mg/L		04/12/23 16:54	04/13/23 22:19	1
Beryllium	0.0075		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 22:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 22:19	1
Chromium	0.12		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:19	1
Cobalt	0.045		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:19	1
Copper	0.12		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:19	1
Iron	130		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 22:19	1
Lead	0.12		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 22:19	1
Manganese	0.85		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:19	1
Nickel	0.12		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:19	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 22:19	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-34(0-5)-040723

Lab Sample ID: 500-231934-3

Date Collected: 04/07/23 12:55

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 76.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:19	1
Zinc	0.34	J B	0.50	0.020	mg/L		04/12/23 16:54	04/13/23 22:19	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6300	B	13	5.2	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Antimony	0.44	J	1.3	0.25	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Arsenic	5.5		0.64	0.22	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Barium	28		0.64	0.073	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Beryllium	0.74		0.26	0.060	mg/Kg	☆	04/13/23 09:36	04/14/23 21:03	1
Cadmium	0.18	B	0.13	0.023	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Calcium	64000	B	64	11	mg/Kg	☆	04/13/23 09:36	04/18/23 14:37	5
Chromium	7.6		0.64	0.32	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Cobalt	11		0.32	0.084	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Copper	11	B	0.64	0.18	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Iron	12000	B	13	6.7	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Lead	24		0.32	0.15	mg/Kg	☆	04/13/23 09:36	04/14/23 21:03	1
Magnesium	29000	B	6.4	3.2	mg/Kg	☆	04/13/23 09:36	04/14/23 21:03	1
Manganese	250	B	0.64	0.093	mg/Kg	☆	04/13/23 09:36	04/14/23 21:03	1
Nickel	17		0.64	0.19	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Potassium	2400		32	11	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Selenium	<0.64		0.64	0.38	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Silver	0.39		0.32	0.083	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Sodium	1900		64	9.5	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1
Thallium	<0.64		0.64	0.32	mg/Kg	☆	04/13/23 09:36	04/14/23 21:03	1
Vanadium	14		0.32	0.075	mg/Kg	☆	04/13/23 09:36	04/14/23 21:03	1
Zinc	24		1.3	0.56	mg/Kg	☆	04/13/23 09:36	04/17/23 20:04	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 11:12	1

Method: SW846 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		04/13/23 11:45	04/14/23 09:15	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.010	mg/Kg	☆	04/12/23 17:00	04/13/23 07:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.2	0.2	SU			04/11/23 20:52	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-34(5-10)-040723

Lab Sample ID: 500-231934-4

Date Collected: 04/07/23 13:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 91.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.014		0.014	0.0062	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Bromoform	<0.0014		0.0014	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Bromomethane	<0.0036		0.0036	0.0013	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Carbon disulfide	<0.0036		0.0036	0.00074	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Chlorobenzene	<0.0014		0.0014	0.00053	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Chloroform	<0.0014		0.0014	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Chloromethane	<0.0036		0.0036	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Dibromochloromethane	<0.0014		0.0014	0.00047	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Tetrachloroethene	<0.0014		0.0014	0.00049	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1
Xylenes, Total	<0.0029		0.0029	0.00046	mg/Kg	✳	04/08/23 12:30	04/17/23 22:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		75 - 131	04/08/23 12:30	04/17/23 22:44	1
Dibromofluoromethane (Surr)	104		75 - 126	04/08/23 12:30	04/17/23 22:44	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 134	04/08/23 12:30	04/17/23 22:44	1
Toluene-d8 (Surr)	109		75 - 124	04/08/23 12:30	04/17/23 22:44	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.17		0.17	0.037	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
1,2-Dichlorobenzene	<0.17		0.17	0.041	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
1,3-Dichlorobenzene	<0.17		0.17	0.039	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
1,4-Dichlorobenzene	<0.17		0.17	0.044	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.040	mg/Kg	✳	04/20/23 07:08	04/20/23 18:12	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-34(5-10)-040723

Lab Sample ID: 500-231934-4

Date Collected: 04/07/23 13:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 91.1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.34		0.34	0.078	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
2,4,6-Trichlorophenol	<0.34		0.34	0.12	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
2,4-Dichlorophenol	<0.34		0.34	0.081	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
2,4-Dimethylphenol	<0.34		0.34	0.13	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
2,4-Dinitrophenol	<0.69		0.69	0.60	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
2,4-Dinitrotoluene	<0.17		0.17	0.054	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
2,6-Dinitrotoluene	<0.17		0.17	0.067	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
2-Chloronaphthalene	<0.17		0.17	0.038	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
2-Chlorophenol	<0.17		0.17	0.058	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
2-Methylnaphthalene	<0.069		0.069	0.0063	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
2-Methylphenol	<0.17		0.17	0.055	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
2-Nitroaniline	<0.17		0.17	0.046	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
2-Nitrophenol	<0.34		0.34	0.081	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
3 & 4 Methylphenol	<0.17		0.17	0.057	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.048	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
3-Nitroaniline	<0.34		0.34	0.11	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
4,6-Dinitro-2-methylphenol	<0.69		0.69	0.28	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.045	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
4-Chloro-3-methylphenol	<0.34		0.34	0.12	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
4-Chloroaniline	<0.69		0.69	0.16	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.040	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
4-Nitroaniline	<0.34		0.34	0.14	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
4-Nitrophenol	<0.69		0.69	0.33	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Acenaphthene	<0.034		0.034	0.0062	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Acenaphthylene	<0.034		0.034	0.0045	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Anthracene	<0.034		0.034	0.0057	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Benzo[a]anthracene	<0.034		0.034	0.0046	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Benzo[a]pyrene	<0.034		0.034	0.0066	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Benzo[b]fluoranthene	<0.034		0.034	0.0074	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Benzo[g,h,i]perylene	<0.034		0.034	0.011	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Benzo[k]fluoranthene	<0.034		0.034	0.010	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.035	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.051	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.063	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Butyl benzyl phthalate	<0.17		0.17	0.065	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Carbazole	<0.17		0.17	0.086	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Chrysene	<0.034		0.034	0.0093	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Dibenz(a,h)anthracene	<0.034		0.034	0.0066	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Dibenzofuran	<0.17		0.17	0.040	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Diethyl phthalate	<0.17		0.17	0.058	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Dimethyl phthalate	<0.17		0.17	0.045	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Di-n-butyl phthalate	<0.17		0.17	0.052	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Di-n-octyl phthalate	<0.17		0.17	0.056	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Fluoranthene	<0.034		0.034	0.0063	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Fluorene	<0.034		0.034	0.0048	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Hexachlorobenzene	<0.069		0.069	0.0079	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Hexachlorobutadiene	<0.17		0.17	0.054	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Hexachlorocyclopentadiene	<0.69		0.69	0.20	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1
Hexachloroethane	<0.17		0.17	0.052	mg/Kg	☆	04/20/23 07:08	04/20/23 18:12	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-34(5-10)-040723

Lab Sample ID: 500-231934-4

Date Collected: 04/07/23 13:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 91.1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.034		0.034	0.0089	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
Isophorone	<0.17		0.17	0.038	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
Naphthalene	<0.034		0.034	0.0053	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
Nitrobenzene	<0.034		0.034	0.0085	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
N-Nitrosodi-n-propylamine	<0.069		0.069	0.042	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
N-Nitrosodiphenylamine	<0.17		0.17	0.040	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
Pentachlorophenol	<0.69		0.69	0.55	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
Phenanthrene	<0.034		0.034	0.0048	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
Phenol	<0.17		0.17	0.076	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1
Pyrene	<0.034		0.034	0.0068	mg/Kg	☼	04/20/23 07:08	04/20/23 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	66		31 - 143	04/20/23 07:08	04/20/23 18:12	1
2-Fluorobiphenyl (Surr)	87		43 - 145	04/20/23 07:08	04/20/23 18:12	1
2-Fluorophenol (Surr)	88		31 - 166	04/20/23 07:08	04/20/23 18:12	1
Nitrobenzene-d5 (Surr)	92		37 - 147	04/20/23 07:08	04/20/23 18:12	1
Phenol-d5 (Surr)	91		30 - 153	04/20/23 07:08	04/20/23 18:12	1
Terphenyl-d14 (Surr)	104		42 - 157	04/20/23 07:08	04/20/23 18:12	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J B	0.050	0.010	mg/L		04/12/23 16:53	04/13/23 12:54	1
Barium	0.22	J	0.50	0.050	mg/L		04/12/23 16:53	04/13/23 12:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:53	04/13/23 12:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:53	04/13/23 12:54	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:54	1
Cobalt	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:54	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:54	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:53	04/13/23 12:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:53	04/13/23 12:54	1
Manganese	1.4	B	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:54	1
Nickel	0.013	J	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:54	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:53	04/13/23 12:54	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 12:54	1
Zinc	0.021	J B	0.50	0.020	mg/L		04/12/23 16:53	04/13/23 12:54	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 16:54	04/13/23 22:22	1
Barium	<0.50		0.50	0.050	mg/L		04/12/23 16:54	04/13/23 22:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 22:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 22:22	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:22	1
Cobalt	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:22	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:22	1
Iron	0.57		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 22:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 22:22	1
Manganese	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:22	1
Nickel	0.021	J	0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:22	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 22:22	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: ROW-34(5-10)-040723

Lab Sample ID: 500-231934-4

Date Collected: 04/07/23 13:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 91.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:22	1
Zinc	0.16	J B	0.50	0.020	mg/L		04/12/23 16:54	04/13/23 22:22	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5300	B	10	4.2	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Antimony	<1.0		1.0	0.20	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Arsenic	4.9		0.51	0.17	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Barium	25		2.5	0.29	mg/Kg	☆	04/13/23 09:36	04/18/23 14:40	5
Beryllium	0.43		0.20	0.048	mg/Kg	☆	04/13/23 09:36	04/14/23 21:06	1
Cadmium	0.21	B	0.10	0.018	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Calcium	100000	B	51	8.6	mg/Kg	☆	04/13/23 09:36	04/18/23 14:40	5
Chromium	7.5		0.51	0.25	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Cobalt	4.6		0.25	0.067	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Copper	10	B	0.51	0.14	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Iron	13000	B	51	27	mg/Kg	☆	04/13/23 09:36	04/18/23 14:40	5
Lead	8.1		0.25	0.12	mg/Kg	☆	04/13/23 09:36	04/14/23 21:06	1
Magnesium	61000	B	25	13	mg/Kg	☆	04/13/23 09:36	04/18/23 14:40	5
Manganese	310	B	0.51	0.074	mg/Kg	☆	04/13/23 09:36	04/14/23 21:06	1
Nickel	11		0.51	0.15	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Potassium	870		25	9.0	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Selenium	<0.51		0.51	0.30	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Silver	0.19	J	0.25	0.066	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Sodium	380		51	7.5	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1
Thallium	<0.51		0.51	0.25	mg/Kg	☆	04/13/23 09:36	04/14/23 21:06	1
Vanadium	15		0.25	0.060	mg/Kg	☆	04/13/23 09:36	04/14/23 21:06	1
Zinc	30		1.0	0.45	mg/Kg	☆	04/13/23 09:36	04/17/23 20:07	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 11:14	1

Method: SW846 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		04/13/23 11:45	04/14/23 09:17	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	J	0.017	0.0090	mg/Kg	☆	04/12/23 17:00	04/13/23 07:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/11/23 14:52	1

Definitions/Glossary

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

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
*3	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.

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 exceeds control 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record

538481




Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact Company Name <i>Western Solutions</i> Address <i>300 Knightsbridge Pkwy</i> City/State/Zip <i>Lynchburg, IL</i> Phone _____ Fax _____ Project Name <i>IDOT 051</i> Site <i>I-80</i> P O # _____		Project Manager <i>A Slesers</i> Tel/Email: _____		Site Contact <i>C. Perce</i> Lab Contact <i>R Wright</i>		Date <i>4-7-23</i> Carrier _____		COC No 3 of 4 COCs For Lab Use Only: Walk-in Client _____ Lab Sampling _____ Job / SDG No <i>500-231934</i>	
Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Sample Type (C=Comp, G=Grab) _____ Matrix _____ # of Cont. _____		Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ <i>VOCS</i> <i>SUOCs</i> <i>Total metals</i> <i>TCEP / SPPB metals</i> <i>pH</i>		 500-231934 COC		Sample Specific Notes	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes
1	ROW-32(0-5)-040723	4-7-23	1225	G	S	6			
2	ROW-33(0-5)-040723		1240						
3	ROW-34(0-5)-040723		1255						
4	ROW-34(5-10)-040723		1300						
5	ROW-35(0-5)-040723		1310						
6	ROW-35(5-10)-040723		1315						
7	ROW-35(5-10)-040723D		1315						
8	ROW-35(10-15)-040723		1320						
9	ROW-36(0-5)-040723		1335						
10	DB-2(0-5)-040723		1440						
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments: <p style="text-align: right;"><i>5.4 → 4.3, 5.3 → 4.2, 4.1 → 3.0</i></p>									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____			
Relinquished by <i>[Signature]</i> Company <i>WS</i>		Date/Time <i>4-7-23/1110</i>		Received by <i>[Signature]</i> Company <i>EPA</i>		Date/Time <i>4-7-23 1610</i>			
Relinquished by <i>Daryl Henderson</i> Company <i>EPA</i>		Date/Time <i>4/7/23/1457</i>		Received by <i>[Signature]</i> Company <i>EPA</i>		Date/Time <i>4/7/23 1657</i>			

Chain of Custody Record 640949



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>A. Slosser</u>		Site Contact: <u>e. Ryan</u>		Date: <u>4-7-23</u>		COC No	
Company Name <u>Weston Solutions</u>		Tel/Email:		Lab Contact: <u>R. Wyant</u>		Carrier:		<u>4</u> of <u>4</u> COCs	
Address <u>300 Kuyuk Bridge Pkwy</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		Filtered Sample (Y/N) Perform MS/MSD (Y/N)		VOCs SVOCs Total Metals TCAP/SALP metals pH		Sampler:	
City/State/Zip <u>Lincolnshire, IL</u>								TAT if different from Below _____	
Phone _____		<input type="checkbox"/> 2 weeks						Walk-in Client <input type="checkbox"/>	
Fax _____		<input type="checkbox"/> 1 week						Lab Sampling <input type="checkbox"/>	
Project Name <u>100T 051</u>		<input type="checkbox"/> 2 days						Job / SDG No	
Site <u>R-80</u>		<input type="checkbox"/> 1 day						<u>500-231934</u>	
P O # _____									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sample Specific Notes
<u>DB-2 (5-10) -040723</u>		<u>4-7-23</u>	<u>1445</u>	<u>G</u>	<u>S</u>	<u>6</u>			
<u>DB-3 (0-5) -040723</u>			<u>1500</u>						
<u>DB-3 (5-10) -040723</u>			<u>1505</u>						
<u>DB-1 (0-5) -040723</u>			<u>1525</u>						
<u>DB-1 (0-5) -040723D</u>			<u>1525</u>						
<u>DB-1 (5-10) -040723</u>			<u>1530</u>						
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments:									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp. (°C). Obs'd _____		Corr'd _____		Therm ID No _____	
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>4-7-23/1610</u>		Received by: <u>[Signature]</u>		Company: <u>ETA</u> Date/Time: <u>4-7-23 1610</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>ETA</u>		Date/Time: <u>4/7/23/1657</u>		Received by: <u>[Signature]</u>		Company: <u>ETA</u> Date/Time: <u>4/7/23 1657</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>ETA</u>		Date/Time: <u>4/7/23/1657</u>		Received in Laboratory by: <u>[Signature]</u>		Company: <u>ETA</u> Date/Time: <u>4/7/23 1657</u>	



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 80 (I-80) - e/o River Rd to w/o Houbolt Rd Office Phone Number, if available: _____

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

W. Frontage Road, under I-80 (ISGS Site 2233V3-1)

City: Various State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.48621 Longitude: - 88.20385
(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.): 8,400

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-13, ROW-15, ROW-59, ROW-61, AND ROW-62 WERE SAMPLED ALONG W. FRONTAGE ROAD. SEE FIGURE 3-4, AND TABLE 4-1 OF THE 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]:

EUROFINS ANALYTICAL REPORTS - JOB ID: 500-231241-1, 500-231292-1, 500-231346-1, AND 500-232207-1. ALSO SEE FIGURE 4-4 OF THE PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

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

Company Name: Weston Solutions, Inc.
Street Address: 300 Knightsbridge Parkway; Suite 360
City: Lincolnshire State: IL Zip Code: 60069
Phone: (224) 864-7200

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

Michael A. Castillo
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

7 June 2023
Date:



**Summary Table - I-80 ROW - W. Frontage Road (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	ROW-13	ROW-13	ROW-13	ROW-13	ROW-15	ROW-15
Field Sample ID		ROW-13(0-5)-032723	ROW-13(0-5)-032723D	ROW-13(5-10)-032723	ROW-13(10-15)-032723	ROW-15(0-5)-032823	ROW-15(0-5)-032823D
Sample Date		3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/28/2023	3/28/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
Laboratory pH	<6.25, >9.0	8.8	8.5	7.8	7.9	7.9	8.0
VOCs (mg/kg)							
1,2-Dichloroethane	0.02	ND	ND	0.0024 J	ND	ND	ND
Acetone	25	ND	0.011 J	ND	ND	ND	ND
Toluene	12	ND	ND	ND	ND	ND	ND
SVOCs (mg/kg)							
Anthracene	12000	ND	0.014 J	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	ND	0.053	ND	ND	ND	ND
Benzo(a)pyrene	0.09 / 11 / 2.1	ND	0.055	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9 / 13 / 2.1	ND	0.062	ND	ND	ND	ND
Benzo(g,h,i)perylene	---	ND	0.062	ND	ND	ND	ND
Chrysene	88	ND	0.047	ND	ND	ND	ND
Fluoranthene	3100	0.023 J	0.083	0.011 J	0.0078 J	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	ND	0.046	ND	ND	ND	ND
Phenanthrene	---	ND	0.054	ND	ND	ND	ND
Pyrene	2300	0.029 J	0.088	0.0094 J	0.012 J	ND	ND
Total Metals (mg/kg)							
Aluminum, Total	---	9400	7900	12000	13000	13000 B	14000 B
Antimony, Total	5	0.38 J	0.53 J	0.34 J	0.36 J	ND	ND
Arsenic, Total	11.3 / 13	6.7	6.8	5.7	7.3	7.1	7.5
Barium, Total	1500	65	73	72	72	85	82
Beryllium, Total	22	0.68	0.63	0.75	0.84	0.84	0.9
Cadmium, Total	5.2	0.27	0.26	0.2	0.2	0.3	0.3
Calcium, Total	---	66000 B	74000 B	75000 B	60000 B	64000 B	62000 B
Chromium, Total	21	15	14	16	18	19	19
Cobalt, Total	20	8.5	9.2	8.6	10	12	9.5
Copper, Total	2900	20	19	17	22	20	21
Iron, Total	15000 / 15900	17000	19000	16000	20000	20000 B	21000 B
Lead, Total	107	24	24	12	15	12	12
Magnesium, Total	325000	29000	41000	31000	24000	23000 B	21000 B
Manganese, Total	630 / 636	360	570	310	330	280 B	270 B
Mercury, Total	0.89	0.023	0.027	0.031	0.03	0.013 J	0.013 J
Nickel, Total	100	21	25	22	27	31	28
Potassium, Total	---	1600	1600	2200	2500	2700	2600
Selenium, Total	1.3	ND	ND	0.7	ND	ND	ND
Silver, Total	4.4	0.18 J	0.19 J	0.22 J	0.29 J	0.44	0.47
Sodium, Total	---	610	500	170	340	950	1100
Thallium, Total	2.6	ND	ND	ND	ND	0.31 J	ND
Vanadium, Total	550	20	20	23	26	26	27
Zinc, Total	5100	81	66	54	58	55	56

**Summary Table - I-80 ROW - W. Frontage Road (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	ROW-13	ROW-13	ROW-13	ROW-13	ROW-15	ROW-15
Field Sample ID		ROW-13(0-5)-032723	ROW-13(0-5)-032723D	ROW-13(5-10)-032723	ROW-13(10-15)-032723	ROW-15(0-5)-032823	ROW-15(0-5)-032823D
Sample Date		3/27/2023	3/27/2023	3/27/2023	3/27/2023	3/28/2023	3/28/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)							
Arsenic, TCLP	0.05	ND	ND	0.012 J	ND	0.013 J	ND
Barium, TCLP	2	0.63	0.65	0.61	0.61	0.39 J	0.27 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	0.0027 J	0.0021 J	0.0039 J	0.0031 J	0.0031 J	0.0033 J
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.016 J	0.011 J	0.049	0.02 J	0.014 J	0.015 J
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND	ND	ND
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	5.3	3.9	5.8	3.5	3.2	3.4
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.02 J	0.02 J	0.052	0.055	0.018 J	0.014 J
Selenium, TCLP	0.05	ND	ND	ND	ND	0.021 J	0.026 J
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	0.066 J	0.033 J	0.022 J	0.02 J	0.041 J	ND
SPLP Metals (mg/l)							
Arsenic, SPLP	0.05	0.064	0.081	0.041 J	0.022 J	ND	ND
Barium, SPLP	2	0.75	0.79	0.37 J	0.28 J	0.15 J	0.14 J
Beryllium, SPLP	0.004	0.0092	0.0097	0.0044	ND	ND	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.19	0.2	0.092	0.067	0.037	0.032
Cobalt, SPLP	1	0.1	0.1	0.029	0.013 J	ND	ND
Copper, SPLP	0.65	0.23	0.25	0.091	0.057	0.026	0.025
Iron, SPLP	5	180	210	93	61	30	27
Lead, SPLP	0.0075	0.2	0.2	0.049	0.028	0.015	0.014
Manganese, SPLP	0.15	1.9	1.9	0.7	0.25	0.14	0.12
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.26	0.26	0.098	0.055	0.031	0.028
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.57	0.76	0.23 J	0.14 J	0.064 J	0.063 J

**Summary Table - I-80 ROW - W. Frontage Road (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location		ROW-15	ROW-59	ROW-59	ROW-61	ROW-62	ROW-62	ROW-62
Field Sample ID	Reference Concentrations (MAC Table)	ROW-15(5-10)-032823	ROW-59(0-5)-032423	ROW-59(0-5)-032423D	ROW-61(0-5)-032423	ROW-62(0-5)-041323	ROW-62(5-10)-041323	ROW-62(10-15)-041323
Sample Date		3/28/2023	3/24/2023	3/24/2023	3/24/2023	4/13/2023	4/13/2023	4/13/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
Laboratory pH	<6.25, >9.0	7.5	8.8	8.9 J	8.8	7.8	7.8	7.4
VOCs (mg/kg)								
1,2-Dichloroethane	0.02	ND	ND	ND	ND	ND	ND	ND
Acetone	25	ND	ND	ND	ND	0.015 J	0.011 J	ND
Toluene	12	ND	ND	ND	ND	ND	ND	0.00099 J
SVOCs (mg/kg)								
Anthracene	12000	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	ND	ND	0.0051 J	ND	ND	ND	ND
Benzo(a)pyrene	0.09 / 11 / 2.1	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9 / 13 / 2.1	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	---	ND	ND	ND	0.013 J	ND	ND	ND
Chrysene	88	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100	ND	ND	ND	ND	ND	0.0073 J	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	---	ND	ND	ND	0.0079 J	0.022 J	ND	0.032 J
Pyrene	2300	ND	ND	ND	ND	ND	0.011 J	ND
Total Metals (mg/kg)								
Aluminum, Total	---	12000 B	8800	7700	12000	10000	15000	13000
Antimony, Total	5	ND	0.69 J	ND	ND	0.33 J	0.35 J	0.39 J
Arsenic, Total	11.3 / 13	6.9	10	11	7.6	8.7	6.2	5.6
Barium, Total	1500	46	41	42	78	46 B	120 B	87 B
Beryllium, Total	22	0.82	0.72	0.65	0.78	0.76 J	0.87 J	0.87 J
Cadmium, Total	5.2	0.2	ND	0.22	0.18	0.17 J	0.21 J	0.13 J
Calcium, Total	---	65000 B	35000	51000 B	35000 B	65000 B	17000	51000 B
Chromium, Total	21	19	12	11	17	15	17	17
Cobalt, Total	20	12	13	11	12	12	7.6	12
Copper, Total	2900	19	21 B	19	18	21	17	20
Iron, Total	15000 / 15900	20000 B	21000	20000	20000	19000	20000	19000
Lead, Total	107	12	18	17	14	12	18	13
Magnesium, Total	325000	22000 B	20000 B	25000	16000	28000	11000	27000
Manganese, Total	630 / 636	340 B	450	390	470	370	230	400
Mercury, Total	0.89	0.016 J	0.051	0.035	0.026	0.015 J	0.026	0.022
Nickel, Total	100	30	30	24	27	29	21	29
Potassium, Total	---	3100	1400	1000	2000	2300	1400	3300
Selenium, Total	1.3	ND	0.4 J	ND	0.45 J	0.35 J	ND	ND
Silver, Total	4.4	0.45	0.31	0.26 J	0.32	0.28	0.39	0.26 J
Sodium, Total	---	440	690	650	1100	860	1300	520
Thallium, Total	2.6	ND	ND	ND	ND	0.67	0.61	0.73
Vanadium, Total	550	25	20	18	25	20 B	30 B	23 B
Zinc, Total	5100	59	75	76	55	59	67	54

**Summary Table - I-80 ROW - W. Frontage Road (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	ROW-15	ROW-59	ROW-59	ROW-61	ROW-62	ROW-62	ROW-62
Field Sample ID		ROW-15(5-10)-032823	ROW-59(0-5)-032423	ROW-59(0-5)-032423D	ROW-61(0-5)-032423	ROW-62(0-5)-041323	ROW-62(5-10)-041323	ROW-62(10-15)-041323
Sample Date		3/28/2023	3/24/2023	3/24/2023	3/24/2023	4/13/2023	4/13/2023	4/13/2023
ISGS Site No		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
TCLP Metals (mg/l)								
Arsenic, TCLP	0.05	0.014 J	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.4 J	0.38 J	0.43 J	0.72	0.68	0.62	0.4 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	0.0032 J	ND	ND	ND	ND	0.0028 J	0.0024 J
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.014 J	ND	ND	0.021 J	ND	0.041	0.046
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	0.23 J	ND	0.25 J	ND	ND	0.65	0.64
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	3.6	0.67	0.72	7.3	4.8	8	5.5
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.016 J	ND	ND	0.017 J	0.017 J	0.039	0.04
Selenium, TCLP	0.05	0.039 J	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	ND	ND	0.022 J	ND	0.056 J	0.027 J
SPLP Metals (mg/l)								
Arsenic, SPLP	0.05	ND	0.1	0.11	0.1	0.077	0.066	0.024 J
Barium, SPLP	2	0.062 J	0.39 J	0.42 J	0.89	0.9	0.96	0.17 J
Beryllium, SPLP	0.004	ND	0.0073	0.0082	0.011	0.0096	0.0093	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.016 J	0.13	0.15	0.23	0.2	0.19	0.06
Cobalt, SPLP	1	ND	0.056	0.062	0.096	0.079	0.083	0.033
Copper, SPLP	0.65	0.013 J	0.19	0.21	0.26	0.23	0.19	0.065
Iron, SPLP	5	13	190	220	240	220	200	57
Lead, SPLP	0.0075	ND	0.095	0.11	0.11	0.098	0.1	0.027
Manganese, SPLP	0.15	0.065	1.3	1.4	2.7	1.5	2.1	0.45
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	ND	0.17	0.19	0.29	0.25	0.23	0.074
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.032 J	0.57	0.66	0.63	0.65	0.65	0.15 J

Notes and Abbreviations:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

 Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/7/2023 9:33:17 AM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231241-1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-61(0-5)-032423

Lab Sample ID: 500-231241-1

Date Collected: 03/24/23 03:30

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0064	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Bromomethane	<0.0037	*	0.0037	0.0014	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Carbon disulfide	<0.0037		0.0037	0.00077	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Ethylbenzene	<0.0015		0.0015	0.00071	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0016	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00065	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Vinyl chloride	<0.0015		0.0015	0.00065	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1
Xylenes, Total	<0.0030		0.0030	0.00047	mg/Kg	☆	03/24/23 17:35	04/03/23 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		75 - 131	03/24/23 17:35	04/03/23 18:10	1
Dibromofluoromethane (Surr)	101		75 - 126	03/24/23 17:35	04/03/23 18:10	1
1,2-Dichloroethane-d4 (Surr)	123		70 - 134	03/24/23 17:35	04/03/23 18:10	1
Toluene-d8 (Surr)	114		75 - 124	03/24/23 17:35	04/03/23 18:10	1

Method: SW846 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	☆	04/03/23 13:25	04/05/23 11:43	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	04/03/23 13:25	04/05/23 11:43	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	04/03/23 13:25	04/05/23 11:43	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☆	04/03/23 13:25	04/05/23 11:43	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	04/03/23 13:25	04/05/23 11:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-61(0-5)-032423

Lab Sample ID: 500-231241-1

Date Collected: 03/24/23 03:30

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.3

Method: SW846 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	✳	04/03/23 13:25	04/05/23 11:43	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Benzo[g,h,i]perylene	0.013	J	0.038	0.012	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	04/03/23 13:25	04/05/23 11:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-61(0-5)-032423

Lab Sample ID: 500-231241-1

Date Collected: 03/24/23 03:30

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.3

Method: SW846 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	☼	04/03/23 13:25	04/05/23 11:43	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.046	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Phenanthrene	0.0079	J	0.038	0.0053	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	04/03/23 13:25	04/05/23 11:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	112		31 - 143	04/03/23 13:25	04/05/23 11:43	1
2-Fluorobiphenyl (Surr)	87		43 - 145	04/03/23 13:25	04/05/23 11:43	1
2-Fluorophenol (Surr)	123		31 - 166	04/03/23 13:25	04/05/23 11:43	1
Nitrobenzene-d5 (Surr)	124		37 - 147	04/03/23 13:25	04/05/23 11:43	1
Phenol-d5 (Surr)	97		30 - 153	04/03/23 13:25	04/05/23 11:43	1
Terphenyl-d14 (Surr)	91		42 - 157	04/03/23 13:25	04/05/23 11:43	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Barium	0.72		0.50	0.050	mg/L		03/30/23 17:00	03/31/23 16:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:00	03/31/23 16:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:00	03/31/23 16:34	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Cobalt	0.021	J	0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:00	03/31/23 16:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:00	03/31/23 16:34	1
Manganese	7.3		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Nickel	0.017	J	0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:00	03/31/23 16:34	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:34	1
Zinc	0.022	J	0.50	0.020	mg/L		03/30/23 17:00	03/31/23 16:34	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.10		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Barium	0.89		0.50	0.050	mg/L		03/30/23 17:01	04/03/23 13:41	1
Beryllium	0.011		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 13:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 13:41	1
Chromium	0.23		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Cobalt	0.096		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Copper	0.26		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Iron	240		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 13:41	1
Lead	0.11		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 13:41	1
Manganese	2.7		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Nickel	0.29		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 13:41	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-61(0-5)-032423

Lab Sample ID: 500-231241-1

Date Collected: 03/24/23 03:30

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 83.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:41	1
Zinc	0.63		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 13:41	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		12	4.8	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Antimony	0.58	J B	1.2	0.23	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Arsenic	7.6		0.58	0.20	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Barium	78		0.58	0.066	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Beryllium	0.78		0.23	0.054	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Cadmium	0.18		0.12	0.021	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Calcium	35000	B	12	2.0	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Chromium	17		0.58	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Cobalt	12		0.29	0.076	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Copper	18		0.58	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Iron	20000		12	6.1	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Lead	14		0.29	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Magnesium	16000		5.8	2.9	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Manganese	470		0.58	0.084	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Nickel	27		0.58	0.17	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Potassium	2000		29	10	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Selenium	0.45	J	0.58	0.34	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Silver	0.32		0.29	0.075	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Sodium	1100		58	8.6	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Vanadium	25		0.29	0.069	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1
Zinc	55		1.2	0.51	mg/Kg	☆	03/30/23 14:47	03/31/23 16:43	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/30/23 14:15	03/31/23 13:09	1

Method: SW846 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		03/30/23 14:15	03/31/23 12:31	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0094	mg/Kg	☆	03/29/23 15:40	03/30/23 08:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.8		0.2	0.2	SU			03/29/23 17:26	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-59(0-5)-032423D

Lab Sample ID: 500-231241-4

Date Collected: 03/24/23 01:00

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 85.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0069	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Bromomethane	<0.0040	*	0.0040	0.0015	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Carbon disulfide	<0.0040		0.0040	0.00082	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	75 - 131	03/24/23 17:35	04/03/23 18:33	1
Dibromofluoromethane (Surr)	98		75 - 126	03/24/23 17:35	04/03/23 18:33	1
1,2-Dichloroethane-d4 (Surr)	117		70 - 134	03/24/23 17:35	04/03/23 18:33	1
Toluene-d8 (Surr)	117		75 - 124	03/24/23 17:35	04/03/23 18:33	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19	F1	0.19	0.040	mg/Kg	☆	04/03/23 13:25	04/05/23 19:27	1
1,2-Dichlorobenzene	<0.19	F1	0.19	0.044	mg/Kg	☆	04/03/23 13:25	04/05/23 19:27	1
1,3-Dichlorobenzene	<0.19	F1	0.19	0.042	mg/Kg	☆	04/03/23 13:25	04/05/23 19:27	1
1,4-Dichlorobenzene	<0.19	F1	0.19	0.047	mg/Kg	☆	04/03/23 13:25	04/05/23 19:27	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☆	04/03/23 13:25	04/05/23 19:27	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-59(0-5)-032423D

Lab Sample ID: 500-231241-4

Date Collected: 03/24/23 01:00

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 85.9

Method: SW846 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	0.084	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
2,4,6-Trichlorophenol	<0.37	F1	0.37	0.13	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
2,4-Dichlorophenol	<0.37	F1	0.37	0.088	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
2,4-Dimethylphenol	<0.37	F1	0.37	0.14	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
2,4-Dinitrophenol	<0.75	F1	0.75	0.65	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
2-Chloronaphthalene	<0.19	F1	0.19	0.041	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
2-Chlorophenol	<0.19	F1	0.19	0.063	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
2-Methylnaphthalene	<0.075	F1	0.075	0.0068	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
2-Methylphenol	<0.19	F1	0.19	0.059	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
2-Nitrophenol	<0.37	F1	0.37	0.087	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
4,6-Dinitro-2-methylphenol	<0.75	F1	0.75	0.30	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
4-Nitrophenol	<0.75	F1	0.75	0.35	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Benzo[a]anthracene	0.0051	J	0.037	0.0050	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Benzo[a]pyrene	<0.037		0.037	0.0072	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Benzo[g,h,i]perylene	<0.037	F1	0.037	0.012	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Carbazole	<0.19		0.19	0.093	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Chrysene	<0.037		0.037	0.010	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Dibenz(a,h)anthracene	<0.037	F1	0.037	0.0072	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Hexachlorocyclopentadiene	<0.75	F1 *	0.75	0.21	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1
Hexachloroethane	<0.19	F1	0.19	0.056	mg/Kg	✳	04/03/23 13:25	04/05/23 19:27	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-59(0-5)-032423D

Lab Sample ID: 500-231241-4

Date Collected: 03/24/23 01:00

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 85.9

Method: SW846 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	F1	0.037	0.0096	mg/Kg	☼	04/03/23 13:25	04/05/23 19:27	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/03/23 13:25	04/05/23 19:27	1
Naphthalene	<0.037	F1	0.037	0.0057	mg/Kg	☼	04/03/23 13:25	04/05/23 19:27	1
Nitrobenzene	<0.037	F1	0.037	0.0092	mg/Kg	☼	04/03/23 13:25	04/05/23 19:27	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	04/03/23 13:25	04/05/23 19:27	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	04/03/23 13:25	04/05/23 19:27	1
Pentachlorophenol	<0.75	F1	0.75	0.59	mg/Kg	☼	04/03/23 13:25	04/05/23 19:27	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	04/03/23 13:25	04/05/23 19:27	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	04/03/23 13:25	04/05/23 19:27	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	04/03/23 13:25	04/05/23 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		31 - 143	04/03/23 13:25	04/05/23 19:27	1
2-Fluorobiphenyl (Surr)	87		43 - 145	04/03/23 13:25	04/05/23 19:27	1
2-Fluorophenol (Surr)	112		31 - 166	04/03/23 13:25	04/05/23 19:27	1
Nitrobenzene-d5 (Surr)	76		37 - 147	04/03/23 13:25	04/05/23 19:27	1
Phenol-d5 (Surr)	85		30 - 153	04/03/23 13:25	04/05/23 19:27	1
Terphenyl-d14 (Surr)	95		42 - 157	04/03/23 13:25	04/05/23 19:27	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:00	03/31/23 16:37	1
Barium	0.43	J	0.50	0.050	mg/L		03/30/23 17:00	03/31/23 16:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:00	03/31/23 16:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:00	03/31/23 16:37	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:37	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:37	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:37	1
Iron	0.25	J	0.40	0.20	mg/L		03/30/23 17:00	03/31/23 16:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:00	03/31/23 16:37	1
Manganese	0.72		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:37	1
Nickel	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:37	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:00	03/31/23 16:37	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:00	03/31/23 16:37	1
Zinc	<0.50		0.50	0.020	mg/L		03/30/23 17:00	03/31/23 16:37	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.11		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 13:44	1
Barium	0.42	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 13:44	1
Beryllium	0.0082		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 13:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 13:44	1
Chromium	0.15		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:44	1
Cobalt	0.062		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:44	1
Copper	0.21		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:44	1
Iron	220		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 13:44	1
Lead	0.11		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 13:44	1
Manganese	1.4		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:44	1
Nickel	0.19		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:44	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 13:44	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Client Sample ID: ROW-59(0-5)-032423D

Lab Sample ID: 500-231241-4

Date Collected: 03/24/23 01:00

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 85.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 13:44	1
Zinc	0.66		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 13:44	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7700		11	4.5	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Antimony	0.64	J B	1.1	0.22	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Arsenic	11		0.56	0.19	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Barium	42		0.56	0.063	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Beryllium	0.65		0.22	0.052	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Cadmium	0.22		0.11	0.020	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Calcium	51000	B	56	9.4	mg/Kg	☆	03/30/23 14:47	04/03/23 17:07	5
Chromium	11		0.56	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Cobalt	11		0.28	0.073	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Copper	19		0.56	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Iron	20000		11	5.8	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Lead	17		0.28	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Magnesium	25000		5.6	2.8	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Manganese	390		0.56	0.081	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Nickel	24		0.56	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Potassium	1000		28	9.8	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Silver	0.26	J	0.28	0.072	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Sodium	650		56	8.2	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Vanadium	18		0.28	0.066	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1
Zinc	76		1.1	0.49	mg/Kg	☆	03/30/23 14:47	03/31/23 16:53	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/30/23 14:15	03/31/23 13:16	1

Method: SW846 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		03/30/23 14:15	03/31/23 12:33	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.018	0.0097	mg/Kg	☆	03/29/23 15:40	03/30/23 08:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.9		0.2	0.2	SU			03/29/23 17:31	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery 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
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
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, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231241-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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- 12
- 13
- 14
- 15

Chain of Custody Record

538480



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <i>A. Sisco</i>		Site Contact: <i>C. Ponce</i>		Date: <i>3-24-23</i>		COC No	
Company Name: <i>Weston Solutions</i>		Tel/Email		Lab Contact: <i>R. Woodruff</i>		Carrier		8 of 3 COCs	
Address: <i>300 Kiplingridge Pkwy Ste 500</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____							
City/State/Zip: <i>Emeryville, OH 44009</i>									
Phone		<input type="checkbox"/> 2 weeks		Filtered Sample (Y/N) Perform MS/MSD (Y/N) <i>VOCs</i> <i>SUBCS</i> <i>Other Metals</i> <i>TSP/SPP Metals</i> <i>pH</i>				Sampler	
Fax		<input type="checkbox"/> 1 week						For Lab Use Only	
Project Name: <i>EDOT 051</i>		<input type="checkbox"/> 2 days						Walk-in Client	
Site: <i>I-80</i>		<input type="checkbox"/> 1 day						Lab Sampling	
P O #						Job / SDG No		<i>500-23/241</i>	

500 231241 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	VOCs	SUBCS	Other Metals	TSP/SPP Metals	pH	Sample Specific Notes
<i>1</i> ROW-61(0-5)-032423	<i>3-24-23</i>	<i>0330</i>	<i>G</i>	<i>S</i>	<i>6</i>			<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>V</i>	
<i>2</i> ROW-61-032423	<i>↓</i>	<i>0400</i>	<i>↓</i>	<i>W</i>	<i>6</i>			<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	
<i>3</i> Trip Blank	<i>-</i>	<i>-</i>	<i>-</i>	<i>W</i>	<i>2</i>			<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	
<i>4</i> ROW-59(0-5)-032423	<i>3-24-23</i>	<i>0100</i>	<i>G</i>	<i>S</i>	<i>6</i>			<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>5</i> ROW-58(0-5)-032423	<i>↓</i>	<i>0255</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>			<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>Added by EETA</i>

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other _____

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

Non-Hazardous Flammable Skin Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments: *22-711, 24-713*

Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No	Cooler Temp. (°C) Obs'd _____ Corr'd _____	Therm ID No _____
Relinquished by: <i>[Signature]</i>	Company: <i>WS</i>	Date/Time: <i>3-24-23/1320</i>	Received by: <i>[Signature]</i>
Relinquished by: <i>[Signature]</i>	Company: <i>EETA</i>	Date/Time: <i>3-24-23/1425</i>	Received by: <i>[Signature]</i>
Relinquished by: <i>[Signature]</i>	Company: <i>EETA</i>	Date/Time: <i>3/24/23 1425</i>	Received by: <i>[Signature]</i>



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/7/2023 3:03:19 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231292-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231292-1	ROW-12(10-15)-032723	Solid	03/27/23 13:55	03/27/23 16:50
500-231292-2	ROW-12(15-18)-032723	Solid	03/27/23 14:00	03/27/23 16:50
500-231292-3	ROW-13(0-5)-032723	Solid	03/27/23 14:25	03/27/23 16:50
500-231292-4	ROW-13(0-5)-032723D	Solid	03/27/23 14:25	03/27/23 16:50
500-231292-5	ROW-13(5-10)-032723	Solid	03/27/23 14:30	03/27/23 16:50
500-231292-6	ROW-13(10-15)-032723	Solid	03/27/23 14:35	03/27/23 16:50
500-231292-7	ROW-14(0-5)-032723	Solid	03/27/23 14:50	03/27/23 16:50
500-231292-8	ROW-14(5-10)-032723	Solid	03/27/23 14:55	03/27/23 16:50
500-231292-9	ROW-14(10-15)-032723	Solid	03/27/23 15:00	03/27/23 16:50
500-231292-10	ROW-17(0-5)-032723	Solid	03/27/23 15:15	03/27/23 16:50
500-231292-11	ROW-16(0-5)-032723	Solid	03/27/23 15:30	03/27/23 16:50

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723

Lab Sample ID: 500-231292-3

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0071	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Carbon disulfide	<0.0041		0.0041	0.00084	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	☆	03/28/23 16:48	04/04/23 12:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 131	03/28/23 16:48	04/04/23 12:58	1
Dibromofluoromethane (Surr)	91		75 - 126	03/28/23 16:48	04/04/23 12:58	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/28/23 16:48	04/04/23 12:58	1
Toluene-d8 (Surr)	90		75 - 124	03/28/23 16:48	04/04/23 12:58	1

Method: SW846 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	☆	04/04/23 09:02	04/06/23 15:44	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	04/04/23 09:02	04/06/23 15:44	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	04/04/23 09:02	04/06/23 15:44	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☆	04/04/23 09:02	04/06/23 15:44	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☆	04/04/23 09:02	04/06/23 15:44	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723

Lab Sample ID: 500-231292-3

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 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	✳	04/04/23 09:02	04/06/23 15:44	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Carbazole	<0.20		0.20	0.10	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Chrysene	<0.040		0.040	0.011	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Fluoranthene	0.023	J	0.040	0.0074	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	✳	04/04/23 09:02	04/06/23 15:44	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723

Lab Sample ID: 500-231292-3

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 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	☼	04/04/23 09:02	04/06/23 15:44	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1
Pyrene	0.029	J	0.040	0.0079	mg/Kg	☼	04/04/23 09:02	04/06/23 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	68		31 - 143	04/04/23 09:02	04/06/23 15:44	1
2-Fluorobiphenyl (Surr)	72		43 - 145	04/04/23 09:02	04/06/23 15:44	1
2-Fluorophenol (Surr)	71		31 - 166	04/04/23 09:02	04/06/23 15:44	1
Nitrobenzene-d5 (Surr)	75		37 - 147	04/04/23 09:02	04/06/23 15:44	1
Phenol-d5 (Surr)	72		30 - 153	04/04/23 09:02	04/06/23 15:44	1
Terphenyl-d14 (Surr)	88		42 - 157	04/04/23 09:02	04/06/23 15:44	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Barium	0.63		0.50	0.050	mg/L		03/31/23 18:28	04/03/23 21:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:28	04/03/23 21:17	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		03/31/23 18:28	04/03/23 21:17	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Cobalt	0.016	J	0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:28	04/03/23 21:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:28	04/03/23 21:17	1
Manganese	5.3		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Nickel	0.020	J	0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:28	04/03/23 21:17	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:17	1
Zinc	0.066	J	0.50	0.020	mg/L		03/31/23 18:28	04/03/23 21:17	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.064		0.050	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Barium	0.75		0.50	0.050	mg/L		03/31/23 18:30	04/03/23 20:00	1
Beryllium	0.0092		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 20:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 20:00	1
Chromium	0.19		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Cobalt	0.10		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Copper	0.23		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Iron	180		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 20:00	1
Lead	0.20		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 20:00	1
Manganese	1.9		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Nickel	0.26		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 20:00	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723

Lab Sample ID: 500-231292-3

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:00	1
Zinc	0.57		0.50	0.020	mg/L		03/31/23 18:30	04/03/23 20:00	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9400		12	4.9	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Antimony	0.38	J	1.2	0.23	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Arsenic	6.7		0.60	0.20	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Barium	65		0.60	0.068	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Beryllium	0.68		0.24	0.056	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Cadmium	0.27		0.12	0.021	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Calcium	66000	B	60	10	mg/Kg	☆	04/03/23 10:36	04/05/23 13:52	5
Chromium	15		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Cobalt	8.5		0.30	0.078	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Copper	20		0.60	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Iron	17000		12	6.2	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Lead	24		0.30	0.14	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Magnesium	29000		6.0	3.0	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Manganese	360		0.60	0.087	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Nickel	21		0.60	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Potassium	1600		30	11	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Selenium	<0.60		0.60	0.35	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Silver	0.18	J	0.30	0.077	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Sodium	610		60	8.8	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Vanadium	20		0.30	0.070	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1
Zinc	81		1.2	0.52	mg/Kg	☆	04/03/23 10:36	04/05/23 00:26	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 14:08	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:54	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.019	0.010	mg/Kg	☆	03/30/23 16:50	03/31/23 08:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.8		0.2	0.2	SU			03/29/23 17:53	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723D

Lab Sample ID: 500-231292-4

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	J	0.014	0.0062	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Bromoform	<0.0014		0.0014	0.00042	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Bromomethane	<0.0036		0.0036	0.0013	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Carbon disulfide	<0.0036		0.0036	0.00074	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Chlorobenzene	<0.0014		0.0014	0.00052	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Chloroethane	<0.0036	*-	0.0036	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Chloroform	<0.0014		0.0014	0.00049	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Chloromethane	<0.0036		0.0036	0.0014	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Dibromochloromethane	<0.0014		0.0014	0.00046	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,3-Dichloropropane, Total	<0.0014		0.0014	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,1,2,2-Tetrachloroethane	<0.0014		0.0014	0.00045	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Tetrachloroethene	<0.0014		0.0014	0.00048	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1
Xylenes, Total	<0.0028		0.0028	0.00045	mg/Kg	☼	03/28/23 16:48	04/03/23 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		75 - 131	03/28/23 16:48	04/03/23 16:39	1
Dibromofluoromethane (Surr)	120		75 - 126	03/28/23 16:48	04/03/23 16:39	1
1,2-Dichloroethane-d4 (Surr)	125		70 - 134	03/28/23 16:48	04/03/23 16:39	1
Toluene-d8 (Surr)	118		75 - 124	03/28/23 16:48	04/03/23 16:39	1

Method: SW846 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	☼	04/04/23 09:02	04/06/23 16:10	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723D

Lab Sample ID: 500-231292-4

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.1

Method: SW846 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	✳	04/04/23 09:02	04/06/23 16:10	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Anthracene	0.014	J	0.038	0.0063	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Benzo[a]anthracene	0.053		0.038	0.0051	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Benzo[a]pyrene	0.055		0.038	0.0074	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Benzo[b]fluoranthene	0.062		0.038	0.0082	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Benzo[g,h,i]perylene	0.062		0.038	0.012	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Chrysene	0.047		0.038	0.010	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Fluoranthene	0.083		0.038	0.0070	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	04/04/23 09:02	04/06/23 16:10	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723D

Lab Sample ID: 500-231292-4

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.046		0.038	0.0098	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.046	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Phenanthrene	0.054		0.038	0.0053	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Pyrene	0.088		0.038	0.0075	mg/Kg	☼	04/04/23 09:02	04/06/23 16:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	69		31 - 143				04/04/23 09:02	04/06/23 16:10	1
2-Fluorobiphenyl (Surr)	69		43 - 145				04/04/23 09:02	04/06/23 16:10	1
2-Fluorophenol (Surr)	68		31 - 166				04/04/23 09:02	04/06/23 16:10	1
Nitrobenzene-d5 (Surr)	69		37 - 147				04/04/23 09:02	04/06/23 16:10	1
Phenol-d5 (Surr)	69		30 - 153				04/04/23 09:02	04/06/23 16:10	1
Terphenyl-d14 (Surr)	84		42 - 157				04/04/23 09:02	04/06/23 16:10	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Barium	0.65		0.50	0.050	mg/L		03/31/23 18:28	04/03/23 21:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:28	04/03/23 21:20	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		03/31/23 18:28	04/03/23 21:20	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Cobalt	0.011	J	0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:28	04/03/23 21:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:28	04/03/23 21:20	1
Manganese	3.9		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Nickel	0.020	J	0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:28	04/03/23 21:20	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:20	1
Zinc	0.033	J	0.50	0.020	mg/L		03/31/23 18:28	04/03/23 21:20	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.081		0.050	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Barium	0.79		0.50	0.050	mg/L		03/31/23 18:30	04/03/23 20:03	1
Beryllium	0.0097		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 20:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 20:03	1
Chromium	0.20		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Cobalt	0.10		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Copper	0.25		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Iron	210		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 20:03	1
Lead	0.20		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 20:03	1
Manganese	1.9		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Nickel	0.26		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 20:03	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(0-5)-032723D

Lab Sample ID: 500-231292-4

Date Collected: 03/27/23 14:25

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.1

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:03	1
Zinc	0.76		0.50	0.020	mg/L		03/31/23 18:30	04/03/23 20:03	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7900		12	4.8	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Antimony	0.53	J	1.2	0.23	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Arsenic	6.8		0.58	0.20	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Barium	73		2.9	0.33	mg/Kg	☆	04/03/23 10:36	04/05/23 13:55	5
Beryllium	0.63		0.23	0.055	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Cadmium	0.26		0.12	0.021	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Calcium	74000	B	58	9.9	mg/Kg	☆	04/03/23 10:36	04/05/23 13:55	5
Chromium	14		0.58	0.29	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Cobalt	9.2		0.29	0.077	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Copper	19		0.58	0.16	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Iron	19000		58	30	mg/Kg	☆	04/03/23 10:36	04/05/23 13:55	5
Lead	24		0.29	0.13	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Magnesium	41000		29	14	mg/Kg	☆	04/03/23 10:36	04/05/23 13:55	5
Manganese	570		0.58	0.085	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Nickel	25		0.58	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Potassium	1600		29	10	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Silver	0.19	J	0.29	0.075	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Sodium	500		58	8.6	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Vanadium	20		0.29	0.069	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1
Zinc	66		1.2	0.51	mg/Kg	☆	04/03/23 10:36	04/05/23 00:29	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 14:10	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:56	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.018	0.0097	mg/Kg	☆	03/30/23 16:50	03/31/23 08:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.2	0.2	SU			03/29/23 17:58	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(5-10)-032723

Lab Sample ID: 500-231292-5

Date Collected: 03/27/23 14:30

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0069	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Carbon disulfide	<0.0040		0.0040	0.00083	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Chlorobenzene	<0.0016		0.0016	0.00059	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Chloroethane	<0.0040	*	0.0040	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,2-Dichloroethane	0.0024	J	0.0040	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,1-Dichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Methyl Ethyl Ketone	<0.0040		0.0040	0.0018	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
methyl isobutyl ketone	<0.0040		0.0040	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Trichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☆	03/28/23 16:48	04/03/23 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		75 - 131	03/28/23 16:48	04/03/23 17:04	1
Dibromofluoromethane (Surr)	121		75 - 126	03/28/23 16:48	04/03/23 17:04	1
1,2-Dichloroethane-d4 (Surr)	128		70 - 134	03/28/23 16:48	04/03/23 17:04	1
Toluene-d8 (Surr)	121		75 - 124	03/28/23 16:48	04/03/23 17:04	1

Method: SW846 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	☆	04/04/23 09:02	04/06/23 16:36	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☆	04/04/23 09:02	04/06/23 16:36	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(5-10)-032723

Lab Sample ID: 500-231292-5

Date Collected: 03/27/23 14:30

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 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	✳	04/04/23 09:02	04/06/23 16:36	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Carbazole	<0.20		0.20	0.10	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Chrysene	<0.040		0.040	0.011	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Fluoranthene	0.011	J	0.040	0.0075	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	✳	04/04/23 09:02	04/06/23 16:36	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(5-10)-032723

Lab Sample ID: 500-231292-5

Date Collected: 03/27/23 14:30

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 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	☼	04/04/23 09:02	04/06/23 16:36	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1
Pyrene	0.0094	J	0.040	0.0080	mg/Kg	☼	04/04/23 09:02	04/06/23 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	74		31 - 143	04/04/23 09:02	04/06/23 16:36	1
2-Fluorobiphenyl (Surr)	72		43 - 145	04/04/23 09:02	04/06/23 16:36	1
2-Fluorophenol (Surr)	76		31 - 166	04/04/23 09:02	04/06/23 16:36	1
Nitrobenzene-d5 (Surr)	75		37 - 147	04/04/23 09:02	04/06/23 16:36	1
Phenol-d5 (Surr)	75		30 - 153	04/04/23 09:02	04/06/23 16:36	1
Terphenyl-d14 (Surr)	93		42 - 157	04/04/23 09:02	04/06/23 16:36	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Barium	0.61		0.50	0.050	mg/L		03/31/23 18:28	04/03/23 21:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:28	04/03/23 21:56	1
Cadmium	0.0039	J	0.0050	0.0020	mg/L		03/31/23 18:28	04/03/23 21:56	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Cobalt	0.049		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:28	04/03/23 21:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:28	04/03/23 21:56	1
Manganese	5.8		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Nickel	0.052		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:28	04/03/23 21:56	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:56	1
Zinc	0.022	J	0.50	0.020	mg/L		03/31/23 18:28	04/03/23 21:56	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.041	J	0.050	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Barium	0.37	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 20:06	1
Beryllium	0.0044		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 20:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 20:06	1
Chromium	0.092		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Cobalt	0.029		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Copper	0.091		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Iron	93		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 20:06	1
Lead	0.049		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 20:06	1
Manganese	0.70		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Nickel	0.098		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 20:06	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(5-10)-032723

Lab Sample ID: 500-231292-5

Date Collected: 03/27/23 14:30

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:06	1
Zinc	0.23	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 20:06	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		12	4.9	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Antimony	0.34	J	1.2	0.23	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Arsenic	5.7		0.60	0.21	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Barium	72		0.60	0.069	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Beryllium	0.75		0.24	0.056	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Cadmium	0.20		0.12	0.022	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Calcium	75000	B	60	10	mg/Kg	☆	04/03/23 10:36	04/05/23 14:05	5
Chromium	16		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Cobalt	8.6		0.30	0.079	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Copper	17		0.60	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Iron	16000		12	6.3	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Lead	12		0.30	0.14	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Magnesium	31000		6.0	3.0	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Manganese	310		0.60	0.087	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Nickel	22		0.60	0.18	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Potassium	2200		30	11	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Selenium	0.70		0.60	0.35	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Silver	0.22	J	0.30	0.078	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Sodium	170		60	8.9	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Vanadium	23		0.30	0.071	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1
Zinc	54		1.2	0.53	mg/Kg	☆	04/03/23 10:36	04/05/23 00:33	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:29	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:58	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.019	0.010	mg/Kg	☆	03/30/23 16:50	03/31/23 08:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			03/29/23 18:00	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(10-15)-032723

Lab Sample ID: 500-231292-6

Date Collected: 03/27/23 14:35

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 82.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0068	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Chloroethane	<0.0039	*	0.0039	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☆	03/28/23 16:48	04/03/23 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		75 - 131	03/28/23 16:48	04/03/23 17:29	1
Dibromofluoromethane (Surr)	106		75 - 126	03/28/23 16:48	04/03/23 17:29	1
1,2-Dichloroethane-d4 (Surr)	117		70 - 134	03/28/23 16:48	04/03/23 17:29	1
Toluene-d8 (Surr)	108		75 - 124	03/28/23 16:48	04/03/23 17:29	1

Method: SW846 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	☆	04/04/23 09:02	04/06/23 17:02	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☆	04/04/23 09:02	04/06/23 17:02	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☆	04/04/23 09:02	04/06/23 17:02	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☆	04/04/23 09:02	04/06/23 17:02	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☆	04/04/23 09:02	04/06/23 17:02	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(10-15)-032723

Lab Sample ID: 500-231292-6

Date Collected: 03/27/23 14:35

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 82.4

Method: SW846 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	✳	04/04/23 09:02	04/06/23 17:02	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Fluoranthene	0.0078	J	0.039	0.0072	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✳	04/04/23 09:02	04/06/23 17:02	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(10-15)-032723

Lab Sample ID: 500-231292-6

Date Collected: 03/27/23 14:35

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 82.4

Method: SW846 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	☼	04/04/23 09:02	04/06/23 17:02	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1
Pyrene	0.012	J	0.039	0.0077	mg/Kg	☼	04/04/23 09:02	04/06/23 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	61		31 - 143	04/04/23 09:02	04/06/23 17:02	1
2-Fluorobiphenyl (Surr)	62		43 - 145	04/04/23 09:02	04/06/23 17:02	1
2-Fluorophenol (Surr)	61		31 - 166	04/04/23 09:02	04/06/23 17:02	1
Nitrobenzene-d5 (Surr)	64		37 - 147	04/04/23 09:02	04/06/23 17:02	1
Phenol-d5 (Surr)	67		30 - 153	04/04/23 09:02	04/06/23 17:02	1
Terphenyl-d14 (Surr)	79		42 - 157	04/04/23 09:02	04/06/23 17:02	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Barium	0.61		0.50	0.050	mg/L		03/31/23 18:28	04/03/23 21:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:28	04/03/23 21:59	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		03/31/23 18:28	04/03/23 21:59	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Cobalt	0.020	J	0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:28	04/03/23 21:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:28	04/03/23 21:59	1
Manganese	3.5		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Nickel	0.055		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:28	04/03/23 21:59	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:28	04/03/23 21:59	1
Zinc	0.020	J	0.50	0.020	mg/L		03/31/23 18:28	04/03/23 21:59	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.022	J	0.050	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Barium	0.28	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 20:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 20:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 20:09	1
Chromium	0.067		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Cobalt	0.013	J	0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Copper	0.057		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Iron	61		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 20:09	1
Lead	0.028		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 20:09	1
Manganese	0.25		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Nickel	0.055		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 20:09	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Client Sample ID: ROW-13(10-15)-032723

Lab Sample ID: 500-231292-6

Date Collected: 03/27/23 14:35

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 82.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 20:09	1
Zinc	0.14	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 20:09	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		12	4.9	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Antimony	0.36	J	1.2	0.23	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Arsenic	7.3		0.60	0.20	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Barium	72		0.60	0.068	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Beryllium	0.84		0.24	0.056	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Cadmium	0.20		0.12	0.022	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Calcium	60000	B	60	10	mg/Kg	☆	04/03/23 10:36	04/05/23 14:08	5
Chromium	18		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Cobalt	10		0.30	0.078	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Copper	22		0.60	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Iron	20000		12	6.2	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Lead	15		0.30	0.14	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Magnesium	24000		6.0	3.0	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Manganese	330		0.60	0.087	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Nickel	27		0.60	0.17	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Potassium	2500		30	11	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Selenium	<0.60		0.60	0.35	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Silver	0.29	J	0.30	0.077	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Sodium	340		60	8.9	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Vanadium	26		0.30	0.071	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1
Zinc	58		1.2	0.53	mg/Kg	☆	04/03/23 10:36	04/05/23 00:36	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:36	1

Method: SW846 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		03/31/23 17:00	04/03/23 11:01	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.019	0.0098	mg/Kg	☆	03/30/23 16:50	03/31/23 08:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			03/29/23 18:03	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	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.

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 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.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231292-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

1

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14

15

Chain of Custody Record 640962



Environment Testing
America

Address _____



500-231292 COC

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>A. Slesare</u>		Site Contact: <u>C. Ponce</u>		Date: <u>3-27-23</u>		COC No						
Company Name: <u>Weston Solutions</u>		Tel/Email		Lab Contact: <u>R. Wright</u>		Carrier		3 of 4 COCs						
Address: <u>300 Kirtland Bridge Pkwy</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS/MSD (Y/N)		VOCs SVOCs Total Metals TCUP/SPLP Metals pH				Sampler				
City/State/Zip: <u>Lincolnshire, IL</u>										For Lab Use Only Walk-in Client. <input type="checkbox"/> Lab Sampling <input type="checkbox"/>				
Phone								Job / SDG No						
Fax								500-231292						
Project Name: <u>IDOT I-80 051</u>														
Site: <u>I-80</u>														
P O #														
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	VOCs	SVOCs	Total Metals	TCUP/SPLP Metals	pH	Sample Specific Notes
1	ROW-12 (10-15) -032723	3/27/23	1355	G	S	6			X	X	X	X	X	
2	ROW-12 (15-18) -032723		1400											
3	ROW-13 (0-5) -032723		1425											
4	ROW-13 (0-5) -032723D		1425											
5	ROW-13 (5-10) -032723		1430											
6	ROW-13 (10-15) -032723		1435											
7	ROW-14 (0-5) -032723		1450											
8	ROW-14 (5-10) -032723		1455											
9	ROW-14 (10-15) -032723		1500											
10	ROW-17 (0-5) -032723		1515											
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other														
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
<input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months									
Special Instructions/QC Requirements & Comments:										4.1-3.0, 2.6-1.5				
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd		Corr'd		Therm ID No						
Relinquished by: <u>[Signature]</u>		Company: <u>NS</u>		Date/Time: <u>3-27-23 1515</u>		Received by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>3/27/23 1548</u>				
Relinquished by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>3/27/23 1650</u>		Received by: <u>[Signature]</u>		Company: <u>[Signature]</u>		Date/Time: <u>3/27/23 1650</u>				
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:		Company:		Date/Time:				

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/7/2023 4:45:58 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231346-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231346-1	NW-1(0-5)-032823	Solid	03/27/23 09:10	03/28/23 16:53
500-231346-2	NW-1(5-10)-032823	Solid	03/27/23 09:15	03/28/23 16:53
500-231346-3	ROW-8(0-5)-032823	Solid	03/27/23 09:30	03/28/23 16:53
500-231346-4	ROW-8(0-5)-032823D	Solid	03/27/23 09:30	03/28/23 16:53
500-231346-5	NW-2(0-5)-032823	Solid	03/27/23 09:50	03/28/23 16:53
500-231346-6	ROW-9(0-5)-032823	Solid	03/27/23 10:30	03/28/23 16:53
500-231346-7	NW-3(0-5)-032823	Solid	03/27/23 10:45	03/28/23 16:53
500-231346-8	ROW-11(0-5)-032823	Solid	03/27/23 11:15	03/28/23 16:53
500-231346-9	ROW-11(5-10)-032823	Solid	03/27/23 11:20	03/28/23 16:53
500-231346-10	NW-4(0-5)-032823	Solid	03/27/23 11:50	03/28/23 16:53
500-231346-11	NW-4(5-10)-032823	Solid	03/28/23 11:55	03/28/23 16:53
500-231346-12	NW-5(0-5)-032823	Solid	03/28/23 12:25	03/28/23 16:53
500-231346-13	NW-6(0-5)-032823	Solid	03/28/23 13:15	03/28/23 16:53
500-231346-14	NW-6(5-10)-032823	Solid	03/28/23 13:20	03/28/23 16:53
500-231346-15	NW-6(10-15)-032823	Solid	03/28/23 13:25	03/28/23 16:53
500-231346-16	ROW-15(0-5)-032823	Solid	03/28/23 13:40	03/28/23 16:53
500-231346-17	ROW-15(0-5)-032823D	Solid	03/28/23 13:40	03/28/23 16:53
500-231346-18	ROW-15(5-10)-032823	Solid	03/28/23 13:45	03/28/23 16:53
500-231346-19	ROW-18(0-5)-032823	Solid	03/28/23 14:50	03/28/23 16:53
500-231346-20	ROW-18(5-10)-032823	Solid	03/28/23 14:55	03/28/23 16:53



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-15(0-5)-032823

Lab Sample ID: 500-231346-16

Date Collected: 03/28/23 13:40

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0066	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Carbon disulfide	<0.0038		0.0038	0.00079	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00067	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00065	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Vinyl chloride	<0.0015		0.0015	0.00067	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1
Xylenes, Total	<0.0030		0.0030	0.00049	mg/Kg	☆	03/28/23 17:48	04/05/23 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	03/28/23 17:48	04/05/23 14:30	1
Dibromofluoromethane (Surr)	94		75 - 126	03/28/23 17:48	04/05/23 14:30	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	03/28/23 17:48	04/05/23 14:30	1
Toluene-d8 (Surr)	90		75 - 124	03/28/23 17:48	04/05/23 14:30	1

Method: SW846 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	☆	04/05/23 07:24	04/05/23 22:42	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☆	04/05/23 07:24	04/05/23 22:42	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☆	04/05/23 07:24	04/05/23 22:42	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☆	04/05/23 07:24	04/05/23 22:42	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☆	04/05/23 07:24	04/05/23 22:42	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-15(0-5)-032823

Lab Sample ID: 500-231346-16

Date Collected: 03/28/23 13:40

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.8

Method: SW846 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	✱	04/05/23 07:24	04/05/23 22:42	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
2,4-Dinitrophenol	<0.80		0.80	0.69	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Carbazole	<0.20		0.20	0.099	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Hexachlorobenzene	<0.080		0.080	0.0091	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	✱	04/05/23 07:24	04/05/23 22:42	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-15(0-5)-032823

Lab Sample ID: 500-231346-16

Date Collected: 03/28/23 13:40

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.8

Method: SW846 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	☼	04/05/23 07:24	04/05/23 22:42	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/05/23 07:24	04/05/23 22:42	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	04/05/23 07:24	04/05/23 22:42	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	04/05/23 07:24	04/05/23 22:42	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	04/05/23 07:24	04/05/23 22:42	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/05/23 07:24	04/05/23 22:42	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	04/05/23 07:24	04/05/23 22:42	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	04/05/23 07:24	04/05/23 22:42	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	04/05/23 07:24	04/05/23 22:42	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	04/05/23 07:24	04/05/23 22:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		31 - 143				04/05/23 07:24	04/05/23 22:42	1
2-Fluorobiphenyl (Surr)	73		43 - 145				04/05/23 07:24	04/05/23 22:42	1
2-Fluorophenol (Surr)	72		31 - 166				04/05/23 07:24	04/05/23 22:42	1
Nitrobenzene-d5 (Surr)	70		37 - 147				04/05/23 07:24	04/05/23 22:42	1
Phenol-d5 (Surr)	74		30 - 153				04/05/23 07:24	04/05/23 22:42	1
Terphenyl-d14 (Surr)	95		42 - 157				04/05/23 07:24	04/05/23 22:42	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		04/03/23 17:43	04/04/23 16:49	1
Barium	0.39	J	0.50	0.050	mg/L		04/03/23 17:43	04/04/23 16:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 16:49	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 16:49	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:49	1
Cobalt	0.014	J	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:49	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:49	1
Iron	<0.40		0.40	0.20	mg/L		04/03/23 17:43	04/04/23 16:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 16:49	1
Manganese	3.2		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:49	1
Nickel	0.018	J	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:49	1
Selenium	0.021	J	0.050	0.020	mg/L		04/03/23 17:43	04/04/23 16:49	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:49	1
Zinc	0.041	J	0.50	0.020	mg/L		04/03/23 17:43	04/04/23 16:49	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:47	04/04/23 20:50	1
Barium	0.15	J	0.50	0.050	mg/L		04/03/23 17:47	04/04/23 20:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 20:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 20:50	1
Chromium	0.037		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:50	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:50	1
Copper	0.026		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:50	1
Iron	30		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 20:50	1
Lead	0.015		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 20:50	1
Manganese	0.14		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:50	1
Nickel	0.031		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:50	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 20:50	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-15(0-5)-032823

Lab Sample ID: 500-231346-16

Date Collected: 03/28/23 13:40

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 81.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:50	1
Zinc	0.064	J	0.50	0.020	mg/L		04/03/23 17:47	04/04/23 20:50	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000	B	12	4.8	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Arsenic	7.1		0.59	0.20	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Barium	85		0.59	0.067	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Beryllium	0.84		0.24	0.055	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Cadmium	0.30		0.12	0.021	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Calcium	64000	B	59	10	mg/Kg	☆	04/04/23 20:39	04/07/23 14:41	5
Chromium	19		0.59	0.29	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Cobalt	12		0.30	0.077	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Copper	20		0.59	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Iron	20000	B	12	6.1	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Lead	12		0.30	0.14	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Magnesium	23000	B	5.9	2.9	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Manganese	280	B	0.59	0.086	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Nickel	31		0.59	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Potassium	2700		30	10	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Selenium	<0.59		0.59	0.35	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Silver	0.44		0.30	0.076	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Sodium	950		59	8.7	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Thallium	0.31	J	0.59	0.29	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Vanadium	26		0.30	0.070	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1
Zinc	55		1.2	0.52	mg/Kg	☆	04/04/23 20:39	04/06/23 19:49	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:17	1

Method: SW846 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		04/03/23 14:55	04/04/23 09:22	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.018	0.0097	mg/Kg	☆	03/31/23 14:20	04/03/23 09:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			04/03/23 16:04	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-15(0-5)-032823D

Lab Sample ID: 500-231346-17

Date Collected: 03/28/23 13:40

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 82.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0065	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Carbon disulfide	<0.0037		0.0037	0.00078	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0017	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	✳	03/28/23 17:48	04/05/23 14:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 131	03/28/23 17:48	04/05/23 14:56	1
Dibromofluoromethane (Surr)	93		75 - 126	03/28/23 17:48	04/05/23 14:56	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 134	03/28/23 17:48	04/05/23 14:56	1
Toluene-d8 (Surr)	89		75 - 124	03/28/23 17:48	04/05/23 14:56	1

Method: SW846 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	✳	04/05/23 07:24	04/05/23 23:08	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-15(0-5)-032823D

Lab Sample ID: 500-231346-17

Date Collected: 03/28/23 13:40

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 82.8

Method: SW846 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	✳	04/05/23 07:24	04/05/23 23:08	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Carbazole	<0.20		0.20	0.099	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	✳	04/05/23 07:24	04/05/23 23:08	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-15(0-5)-032823D

Lab Sample ID: 500-231346-17

Date Collected: 03/28/23 13:40

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 82.8

Method: SW846 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	☼	04/05/23 07:24	04/05/23 23:08	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/05/23 07:24	04/05/23 23:08	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	04/05/23 07:24	04/05/23 23:08	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	04/05/23 07:24	04/05/23 23:08	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	04/05/23 07:24	04/05/23 23:08	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	04/05/23 07:24	04/05/23 23:08	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	04/05/23 07:24	04/05/23 23:08	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	04/05/23 07:24	04/05/23 23:08	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	04/05/23 07:24	04/05/23 23:08	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	04/05/23 07:24	04/05/23 23:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		31 - 143	04/05/23 07:24	04/05/23 23:08	1
2-Fluorobiphenyl (Surr)	72		43 - 145	04/05/23 07:24	04/05/23 23:08	1
2-Fluorophenol (Surr)	73		31 - 166	04/05/23 07:24	04/05/23 23:08	1
Nitrobenzene-d5 (Surr)	70		37 - 147	04/05/23 07:24	04/05/23 23:08	1
Phenol-d5 (Surr)	76		30 - 153	04/05/23 07:24	04/05/23 23:08	1
Terphenyl-d14 (Surr)	102		42 - 157	04/05/23 07:24	04/05/23 23:08	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:43	04/04/23 16:52	1
Barium	0.27	J	0.50	0.050	mg/L		04/03/23 17:43	04/04/23 16:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 16:52	1
Cadmium	0.0033	J	0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 16:52	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:52	1
Cobalt	0.015	J	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:52	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:52	1
Iron	<0.40		0.40	0.20	mg/L		04/03/23 17:43	04/04/23 16:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 16:52	1
Manganese	3.4		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:52	1
Nickel	0.014	J	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:52	1
Selenium	0.026	J	0.050	0.020	mg/L		04/03/23 17:43	04/04/23 16:52	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:52	1
Zinc	<0.50		0.50	0.020	mg/L		04/03/23 17:43	04/04/23 16:52	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:47	04/04/23 20:53	1
Barium	0.14	J	0.50	0.050	mg/L		04/03/23 17:47	04/04/23 20:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 20:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 20:53	1
Chromium	0.032		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:53	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:53	1
Copper	0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:53	1
Iron	27		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 20:53	1
Lead	0.014		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 20:53	1
Manganese	0.12		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:53	1
Nickel	0.028		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:53	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 20:53	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-15(0-5)-032823D

Lab Sample ID: 500-231346-17

Date Collected: 03/28/23 13:40

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 82.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:53	1
Zinc	0.063	J	0.50	0.020	mg/L		04/03/23 17:47	04/04/23 20:53	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000	B	12	4.9	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Arsenic	7.5		0.60	0.20	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Barium	82		0.60	0.068	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Beryllium	0.90		0.24	0.056	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Cadmium	0.30		0.12	0.021	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Calcium	62000	B	60	10	mg/Kg	☆	04/04/23 20:39	04/07/23 14:44	5
Chromium	19		0.60	0.30	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Cobalt	9.5		0.30	0.078	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Copper	21		0.60	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Iron	21000	B	12	6.2	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Lead	12		0.30	0.14	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Magnesium	21000	B	6.0	3.0	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Manganese	270	B	0.60	0.086	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Nickel	28		0.60	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Potassium	2600		30	11	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Selenium	<0.60		0.60	0.35	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Silver	0.47		0.30	0.077	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Sodium	1100		60	8.8	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Vanadium	27		0.30	0.070	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1
Zinc	56		1.2	0.52	mg/Kg	☆	04/04/23 20:39	04/06/23 19:52	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:19	1

Method: SW846 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		04/03/23 14:55	04/04/23 09:24	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.019	0.0098	mg/Kg	☆	03/31/23 14:20	04/03/23 09:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0		0.2	0.2	SU			04/03/23 16:07	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-15(5-10)-032823

Lab Sample ID: 500-231346-18

Date Collected: 03/28/23 13:45

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 83.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0068	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
1,1-Dichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☆	03/28/23 17:48	04/05/23 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 131	03/28/23 17:48	04/05/23 15:22	1
Dibromofluoromethane (Surr)	95		75 - 126	03/28/23 17:48	04/05/23 15:22	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 134	03/28/23 17:48	04/05/23 15:22	1
Toluene-d8 (Surr)	91		75 - 124	03/28/23 17:48	04/05/23 15:22	1

Method: SW846 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	☆	04/05/23 07:24	04/05/23 23:34	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☆	04/05/23 07:24	04/05/23 23:34	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☆	04/05/23 07:24	04/05/23 23:34	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☆	04/05/23 07:24	04/05/23 23:34	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☆	04/05/23 07:24	04/05/23 23:34	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-15(5-10)-032823

Lab Sample ID: 500-231346-18

Date Collected: 03/28/23 13:45

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 83.6

Method: SW846 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	✳	04/05/23 07:24	04/05/23 23:34	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✳	04/05/23 07:24	04/05/23 23:34	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-15(5-10)-032823

Lab Sample ID: 500-231346-18

Date Collected: 03/28/23 13:45

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 83.6

Method: SW846 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	☼	04/05/23 07:24	04/05/23 23:34	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/05/23 07:24	04/05/23 23:34	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/05/23 07:24	04/05/23 23:34	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/05/23 07:24	04/05/23 23:34	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/05/23 07:24	04/05/23 23:34	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/05/23 07:24	04/05/23 23:34	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/05/23 07:24	04/05/23 23:34	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	04/05/23 07:24	04/05/23 23:34	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	04/05/23 07:24	04/05/23 23:34	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	04/05/23 07:24	04/05/23 23:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		31 - 143				04/05/23 07:24	04/05/23 23:34	1
2-Fluorobiphenyl (Surr)	75		43 - 145				04/05/23 07:24	04/05/23 23:34	1
2-Fluorophenol (Surr)	74		31 - 166				04/05/23 07:24	04/05/23 23:34	1
Nitrobenzene-d5 (Surr)	71		37 - 147				04/05/23 07:24	04/05/23 23:34	1
Phenol-d5 (Surr)	80		30 - 153				04/05/23 07:24	04/05/23 23:34	1
Terphenyl-d14 (Surr)	104		42 - 157				04/05/23 07:24	04/05/23 23:34	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.014	J	0.050	0.010	mg/L		04/03/23 17:43	04/04/23 16:55	1
Barium	0.40	J	0.50	0.050	mg/L		04/03/23 17:43	04/04/23 16:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:43	04/04/23 16:55	1
Cadmium	0.0032	J	0.0050	0.0020	mg/L		04/03/23 17:43	04/04/23 16:55	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:55	1
Cobalt	0.014	J	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:55	1
Copper	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:55	1
Iron	0.23	J	0.40	0.20	mg/L		04/03/23 17:43	04/04/23 16:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:43	04/04/23 16:55	1
Manganese	3.6		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:55	1
Nickel	0.016	J	0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:55	1
Selenium	0.039	J	0.050	0.020	mg/L		04/03/23 17:43	04/04/23 16:55	1
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:43	04/04/23 16:55	1
Zinc	<0.50		0.50	0.020	mg/L		04/03/23 17:43	04/04/23 16:55	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/23 17:47	04/04/23 20:56	1
Barium	0.062	J	0.50	0.050	mg/L		04/03/23 17:47	04/04/23 20:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/23 17:47	04/04/23 20:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/23 17:47	04/04/23 20:56	1
Chromium	0.016	J	0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:56	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:56	1
Copper	0.013	J	0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:56	1
Iron	13		0.40	0.20	mg/L		04/03/23 17:47	04/04/23 20:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/23 17:47	04/04/23 20:56	1
Manganese	0.065		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:56	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:56	1
Selenium	<0.050		0.050	0.020	mg/L		04/03/23 17:47	04/04/23 20:56	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Client Sample ID: ROW-15(5-10)-032823

Lab Sample ID: 500-231346-18

Date Collected: 03/28/23 13:45

Matrix: Solid

Date Received: 03/28/23 16:53

Percent Solids: 83.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/23 17:47	04/04/23 20:56	1
Zinc	0.032	J	0.50	0.020	mg/L		04/03/23 17:47	04/04/23 20:56	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000	B	12	4.8	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Arsenic	6.9		0.59	0.20	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Barium	46		0.59	0.067	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Beryllium	0.82		0.23	0.055	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Cadmium	0.20		0.12	0.021	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Calcium	65000	B	59	10	mg/Kg	☆	04/04/23 20:39	04/07/23 14:47	5
Chromium	19		0.59	0.29	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Cobalt	12		0.29	0.077	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Copper	19		0.59	0.16	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Iron	20000	B	12	6.1	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Lead	12		0.29	0.14	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Magnesium	22000	B	5.9	2.9	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Manganese	340	B	0.59	0.085	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Nickel	30		0.59	0.17	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Potassium	3100		29	10	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Selenium	<0.59		0.59	0.35	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Silver	0.45		0.29	0.076	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Sodium	440		59	8.7	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Thallium	<0.59		0.59	0.29	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Vanadium	25		0.29	0.069	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1
Zinc	59		1.2	0.52	mg/Kg	☆	04/04/23 20:39	04/06/23 19:56	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/03/23 14:55	04/04/23 10:21	1

Method: SW846 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		04/03/23 14:55	04/04/23 09:27	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.019	0.0098	mg/Kg	☆	03/31/23 14:20	04/03/23 09:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/03/23 16:09	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

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
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 exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231346-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

1

2

3

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12

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14

15

Chain of Custody Record 640961



Environment Testing
America

Address _____



500-231346 COC

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: A. Steyers		Site Contact: C. Pence		Date: 3-28-23		COC No: _____ of _____ COCs			
Company Name: <u>Weston Solutions</u>		Tel/Email: _____		Lab Contact: <u>R. Wright</u>		Carrier: _____		Sampler: _____			
Address: <u>300 Knightbridge Parkway</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS/MSD (Y/N) VOCs SVOCs Total Metals TeCP/SPCP Metals pH				For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/> Job / SDG No <u>500-231346</u>			
City/State/Zip: <u>Winchester, NC</u>											
Phone: _____											
Fax: _____											
Project Name: <u>IDOT 051</u>											
Site: <u>I-80</u>											
P O #: _____											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp G=Grab)	Matrix	# of Cont.	Sample Specific Notes				
NW-1(0-5)-032823		3-27-23	0910	G	S	6	X	X	X	X	
NW-1(5-10)-032823			0915								
RAW-8(0-5)-032823			0930								
RAW-8(0-5)-032823D			0930								
NW-2(0-5)-032823			0950								
RAW-9(0-5)-032823			1030								
NW-3(0-5)-032823			1045								
RAW-11(0-5)-032823			1115								
RAW-11(5-10)-032823			1120								
NW-4(0-5)-032823			1150								
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other											
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months						
Special Instructions/QC Requirements & Comments: <div style="text-align: right; font-size: 1.2em;">49+38, 50+49</div>											
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____		Corr'd _____		Therm ID No _____			
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>3-28-23/1600</u>		Received by: <u>M.A. Ellin</u>		Company: <u>EETA</u>			
Relinquished by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>3/28/23 1653</u>		Received by: _____		Company: _____			
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: <u>Stephanie Hernandez</u>		Company: <u>EETA</u>			

Chain of Custody Record 640960



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>A. Slezeev</u>		Site Contact: <u>C. Pence</u>		Date: <u>3-28-23</u>		COC No	
Company Name: <u>Weston Solutions</u>		Tel/Email		Lab Contact: <u>R. Wright</u>		Carrier:		2 of _____ COCs	
Address: <u>300 Knightsbridge Pkwy</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		Filtered Sample (Y/N)		Perform MS / MSD (Y/N)		Sampler:	
City/State/Zip: <u>Lincolnshire, IL</u>									
Phone		TAT if different from Below _____		VOCs SVOCs Total Metals TCLP / SPL Metals pH				For Lab Use Only Walk-in Client Lab Sampling	
Fax		<input type="checkbox"/> 2 weeks							
Project Name: <u>IDOT I-80 OS1</u>		<input type="checkbox"/> 1 week							
Site: <u>I-80</u>		<input type="checkbox"/> 2 days							
P O #		<input type="checkbox"/> 1 day						Job / SDG No <u>500-231340</u>	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes		
<u>NW-4(5-10)-032823</u>		<u>3/28/23</u>	<u>1155</u>	<u>G</u>	<u>S</u>	<u>6</u>			
<u>NW-5(0-5)-032823</u>			<u>1215</u>						
<u>NW-6(0-5)-032823</u>			<u>1315</u>						
<u>NW-6(5-10)-032823</u>			<u>1328</u>						
<u>NW-6(10-15)-032823</u>			<u>1325</u>						
<u>ROW-15(0-5)-032823</u>			<u>1340</u>						
<u>ROW-15(0-5)-032823</u>			<u>1340</u>						
<u>ROW-15(5-10)-032823</u>			<u>1345</u>						
<u>ROW-18(0-5)-032823</u>			<u>1450</u>						
<u>ROW-18(5-10)-032823</u>			<u>1455</u>						

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months	

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____	
Relinquished by: <u>[Signature]</u>	Company: <u>WS</u>	Date/Time: <u>3-28-23/1600</u>	Received by: <u>[Signature]</u>	Company: <u>EETA</u>	Date/Time: <u>3/28/23 1600</u>		
Relinquished by: <u>[Signature]</u>	Company: <u>EETA</u>	Date/Time: <u>3/28/23 1653</u>	Received by:	Company:	Date/Time:		
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: <u>[Signature]</u>	Company: <u>EETA</u>	Date/Time: <u>3/28/23 1653</u>		





ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/27/2023 9:45:55 AM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-232207-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-232207-1	ROW-53(10-15)-041323	Solid	04/13/23 12:20	04/13/23 18:02
500-232207-2	ROW-54(0-5)-041323	Solid	04/13/23 12:40	04/13/23 18:02
500-232207-3	ROW-55(0-5)-041323	Solid	04/13/23 13:00	04/13/23 18:02
500-232207-4	ROW-55(5-10)-041323	Solid	04/13/23 13:05	04/13/23 18:02
500-232207-5	ROW-55(10-15)-041323	Solid	04/13/23 13:10	04/13/23 18:02
500-232207-6	ROW-56(0-5)-041323	Solid	04/13/23 13:30	04/13/23 18:02
500-232207-7	ROW-56(0-5)-041323D	Solid	04/13/23 13:30	04/13/23 18:02
500-232207-8	ROW-62(0-5)-041323	Solid	04/13/23 13:50	04/13/23 18:02
500-232207-9	ROW-62(5-10)-041323	Solid	04/13/23 13:55	04/13/23 18:02
500-232207-10	ROW-62(10-15)-041323	Solid	04/13/23 14:00	04/13/23 18:02
500-232207-11	ROW-63(0-5)-041323	Solid	04/13/23 14:30	04/13/23 18:02
500-232207-12	ROW-64(0-5)-041323	Solid	04/13/23 14:50	04/13/23 18:02
500-232207-13	ROW-65(0-5)-041323	Solid	04/13/23 15:00	04/13/23 18:02
500-232207-14	ROW-65(5-10)-041323	Solid	04/13/23 15:05	04/13/23 18:02
500-232207-15	RC-6(0-5)-041323	Solid	04/13/23 15:45	04/13/23 18:02



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(0-5)-041323

Lab Sample ID: 500-232207-8

Date Collected: 04/13/23 13:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.015	J	0.018	0.0079	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Carbon disulfide	<0.0045		0.0045	0.00095	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,3-Dichloropropane, Total	<0.0018		0.0018	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 06:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	75 - 131	04/14/23 20:00	04/19/23 06:49	1
Dibromofluoromethane (Surr)	96		75 - 126	04/14/23 20:00	04/19/23 06:49	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	04/14/23 20:00	04/19/23 06:49	1
Toluene-d8 (Surr)	104		75 - 124	04/14/23 20:00	04/19/23 06:49	1

Method: SW846 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	✳	04/25/23 13:29	04/26/23 17:01	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	✳	04/25/23 13:29	04/26/23 17:01	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	✳	04/25/23 13:29	04/26/23 17:01	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	✳	04/25/23 13:29	04/26/23 17:01	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	✳	04/25/23 13:29	04/26/23 17:01	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(0-5)-041323

Lab Sample ID: 500-232207-8

Date Collected: 04/13/23 13:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.9

Method: SW846 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	✱	04/25/23 13:29	04/26/23 17:01	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Carbazole	<0.18		0.18	0.091	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	✱	04/25/23 13:29	04/26/23 17:01	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(0-5)-041323

Lab Sample ID: 500-232207-8

Date Collected: 04/13/23 13:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.9

Method: SW846 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	☼	04/25/23 13:29	04/26/23 17:01	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Phenanthrene	0.022	J	0.036	0.0051	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	04/25/23 13:29	04/26/23 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	50		31 - 143	04/25/23 13:29	04/26/23 17:01	1
2-Fluorobiphenyl (Surr)	59		43 - 145	04/25/23 13:29	04/26/23 17:01	1
2-Fluorophenol (Surr)	53		31 - 166	04/25/23 13:29	04/26/23 17:01	1
Nitrobenzene-d5 (Surr)	63		37 - 147	04/25/23 13:29	04/26/23 17:01	1
Phenol-d5 (Surr)	54		30 - 153	04/25/23 13:29	04/26/23 17:01	1
Terphenyl-d14 (Surr)	74		42 - 157	04/25/23 13:29	04/26/23 17:01	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Barium	0.68		0.50	0.050	mg/L		04/18/23 17:10	04/19/23 20:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 20:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 20:54	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Cobalt	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 20:54	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 20:54	1
Manganese	4.8		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Nickel	0.017	J	0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 20:54	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 20:54	1
Zinc	<0.50		0.50	0.020	mg/L		04/18/23 17:10	04/19/23 20:54	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.077		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Barium	0.90		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 00:56	1
Beryllium	0.0096		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 00:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 00:56	1
Chromium	0.20		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Cobalt	0.079		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Copper	0.23		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Iron	220		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 00:56	1
Lead	0.098		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 00:56	1
Manganese	1.5		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Nickel	0.25		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 00:56	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(0-5)-041323

Lab Sample ID: 500-232207-8

Date Collected: 04/13/23 13:50

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 87.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:56	1
Zinc	0.65		0.50	0.020	mg/L		04/18/23 17:11	04/25/23 00:56	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		10	4.2	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Antimony	0.33	J	1.0	0.20	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Arsenic	8.7		0.52	0.18	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Barium	46	B	0.52	0.059	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Beryllium	0.76	B	0.21	0.048	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Cadmium	0.17	B	0.10	0.019	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Calcium	65000	B	52	8.8	mg/Kg	☆	04/20/23 09:34	04/25/23 15:00	5
Chromium	15		0.52	0.26	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Cobalt	12		0.26	0.068	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Copper	21		0.52	0.14	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Iron	19000		10	5.4	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Lead	12		0.26	0.12	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Magnesium	28000		5.2	2.6	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Manganese	370		0.52	0.075	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Nickel	29		0.52	0.15	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Potassium	2300		26	9.2	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Selenium	0.35	J	0.52	0.30	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Silver	0.28		0.26	0.067	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Sodium	860		52	7.7	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Thallium	0.67		0.52	0.26	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Vanadium	20	B	0.26	0.061	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1
Zinc	59		1.0	0.45	mg/Kg	☆	04/20/23 09:34	04/24/23 22:05	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/18/23 15:10	04/19/23 10:00	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:12	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.017	0.0090	mg/Kg	☆	04/21/23 15:35	04/24/23 07:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/17/23 19:54	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(5-10)-041323

Lab Sample ID: 500-232207-9

Date Collected: 04/13/23 13:55

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	J	0.018	0.0078	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	✳	04/14/23 20:00	04/19/23 07:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		75 - 131	04/14/23 20:00	04/19/23 07:14	1
Dibromofluoromethane (Surr)	98		75 - 126	04/14/23 20:00	04/19/23 07:14	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	04/14/23 20:00	04/19/23 07:14	1
Toluene-d8 (Surr)	91		75 - 124	04/14/23 20:00	04/19/23 07:14	1

Method: SW846 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	✳	04/25/23 13:29	04/26/23 15:23	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	✳	04/25/23 13:29	04/26/23 15:23	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 13:29	04/26/23 15:23	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/25/23 13:29	04/26/23 15:23	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	✳	04/25/23 13:29	04/26/23 15:23	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(5-10)-041323

Lab Sample ID: 500-232207-9

Date Collected: 04/13/23 13:55

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.6

Method: SW846 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	✱	04/25/23 13:29	04/26/23 15:23	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Carbazole	<0.19		0.19	0.096	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Fluoranthene	0.0073	J	0.038	0.0071	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✱	04/25/23 13:29	04/26/23 15:23	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(5-10)-041323

Lab Sample ID: 500-232207-9

Date Collected: 04/13/23 13:55

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.6

Method: SW846 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	☼	04/25/23 13:29	04/26/23 15:23	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1
Pyrene	0.011	J	0.038	0.0076	mg/Kg	☼	04/25/23 13:29	04/26/23 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	33		31 - 143	04/25/23 13:29	04/26/23 15:23	1
2-Fluorobiphenyl (Surr)	38	S1-	43 - 145	04/25/23 13:29	04/26/23 15:23	1
2-Fluorophenol (Surr)	36		31 - 166	04/25/23 13:29	04/26/23 15:23	1
Nitrobenzene-d5 (Surr)	40		37 - 147	04/25/23 13:29	04/26/23 15:23	1
Phenol-d5 (Surr)	37		30 - 153	04/25/23 13:29	04/26/23 15:23	1
Terphenyl-d14 (Surr)	75		42 - 157	04/25/23 13:29	04/26/23 15:23	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Barium	0.62		0.50	0.050	mg/L		04/18/23 17:10	04/19/23 22:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 22:06	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 22:06	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Cobalt	0.041		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Iron	0.65		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 22:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 22:06	1
Manganese	8.0		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Nickel	0.039		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 22:06	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:06	1
Zinc	0.056	J	0.50	0.020	mg/L		04/18/23 17:10	04/19/23 22:06	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.066		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Barium	0.96		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 00:59	1
Beryllium	0.0093		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 00:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 00:59	1
Chromium	0.19		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Cobalt	0.083		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Copper	0.19		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Iron	200		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 00:59	1
Lead	0.10		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 00:59	1
Manganese	2.1		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Nickel	0.23		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 00:59	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(5-10)-041323

Lab Sample ID: 500-232207-9

Date Collected: 04/13/23 13:55

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 00:59	1
Zinc	0.65		0.50	0.020	mg/L		04/18/23 17:11	04/25/23 00:59	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15000		12	4.7	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Antimony	0.35	J	1.2	0.22	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Arsenic	6.2		0.58	0.20	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Barium	120	B	0.58	0.066	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Beryllium	0.87	B	0.23	0.054	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Cadmium	0.21	B	0.12	0.021	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Calcium	17000		12	2.0	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Chromium	17		0.58	0.28	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Cobalt	7.6		0.29	0.075	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Copper	17		0.58	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Iron	20000		12	6.0	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Lead	18		0.29	0.13	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Magnesium	11000		5.8	2.9	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Manganese	230		0.58	0.083	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Nickel	21		0.58	0.17	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Potassium	1400		29	10	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Silver	0.39		0.29	0.074	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Sodium	1300		58	8.5	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Thallium	0.61		0.58	0.29	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Vanadium	30	B	0.29	0.068	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1
Zinc	67		1.2	0.51	mg/Kg	☆	04/20/23 09:34	04/24/23 22:09	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/19/23 11:30	04/20/23 10:24	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:14	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0097	mg/Kg	☆	04/21/23 15:35	04/24/23 07:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/17/23 19:57	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(10-15)-041323

Lab Sample ID: 500-232207-10

Date Collected: 04/13/23 14:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0063	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Benzene	<0.0015		0.0015	0.00037	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Bromoform	<0.0015		0.0015	0.00042	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Bromomethane	<0.0036		0.0036	0.0014	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Carbon disulfide	<0.0036		0.0036	0.00075	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Carbon tetrachloride	<0.0015		0.0015	0.00042	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Chlorobenzene	<0.0015		0.0015	0.00054	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Chloroform	<0.0015		0.0015	0.00050	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Chloromethane	<0.0036		0.0036	0.0015	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00044	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Dibromochloromethane	<0.0015		0.0015	0.00047	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,1-Dichloroethane	<0.0015		0.0015	0.00050	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,1-Dichloroethene	<0.0015		0.0015	0.00050	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,2-Dichloropropane	<0.0015		0.0015	0.00037	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00051	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Ethylbenzene	<0.0015		0.0015	0.00069	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Styrene	<0.0015		0.0015	0.00044	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00046	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Tetrachloroethene	<0.0015		0.0015	0.00049	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Toluene	0.00099	J	0.0015	0.00037	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00064	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00049	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00062	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Trichloroethene	<0.0015		0.0015	0.00049	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Vinyl chloride	<0.0015		0.0015	0.00064	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1
Xylenes, Total	<0.0029		0.0029	0.00046	mg/Kg	✳	04/14/23 20:00	04/20/23 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		75 - 131	04/14/23 20:00	04/20/23 12:19	1
Dibromofluoromethane (Surr)	101		75 - 126	04/14/23 20:00	04/20/23 12:19	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	04/14/23 20:00	04/20/23 12:19	1
Toluene-d8 (Surr)	92		75 - 124	04/14/23 20:00	04/20/23 12:19	1

Method: SW846 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	✳	04/25/23 13:29	04/26/23 19:05	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	04/25/23 13:29	04/26/23 19:05	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✳	04/25/23 13:29	04/26/23 19:05	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✳	04/25/23 13:29	04/26/23 19:05	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	✳	04/25/23 13:29	04/26/23 19:05	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(10-15)-041323

Lab Sample ID: 500-232207-10

Date Collected: 04/13/23 14:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.8

Method: SW846 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	✱	04/25/23 13:29	04/26/23 19:05	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Carbazole	<0.20		0.20	0.098	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	✱	04/25/23 13:29	04/26/23 19:05	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(10-15)-041323

Lab Sample ID: 500-232207-10

Date Collected: 04/13/23 14:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.8

Method: SW846 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	☼	04/25/23 13:29	04/26/23 19:05	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Phenanthrene	0.032	J	0.039	0.0055	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	04/25/23 13:29	04/26/23 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	43		31 - 143	04/25/23 13:29	04/26/23 19:05	1
2-Fluorobiphenyl (Surr)	66		43 - 145	04/25/23 13:29	04/26/23 19:05	1
2-Fluorophenol (Surr)	59		31 - 166	04/25/23 13:29	04/26/23 19:05	1
Nitrobenzene-d5 (Surr)	69		37 - 147	04/25/23 13:29	04/26/23 19:05	1
Phenol-d5 (Surr)	60		30 - 153	04/25/23 13:29	04/26/23 19:05	1
Terphenyl-d14 (Surr)	84		42 - 157	04/25/23 13:29	04/26/23 19:05	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Barium	0.40	J	0.50	0.050	mg/L		04/18/23 17:10	04/19/23 22:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 22:10	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 22:10	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Cobalt	0.046		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Iron	0.64		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 22:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 22:10	1
Manganese	5.5		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Nickel	0.040		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/19/23 22:10	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 22:10	1
Zinc	0.027	J	0.50	0.020	mg/L		04/18/23 17:10	04/19/23 22:10	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.024	J	0.050	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Barium	0.17	J	0.50	0.050	mg/L		04/18/23 17:11	04/25/23 01:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 01:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 01:03	1
Chromium	0.060		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Cobalt	0.033		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Copper	0.065		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Iron	57		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 01:03	1
Lead	0.027		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 01:03	1
Manganese	0.45		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Nickel	0.074		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 01:03	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: ROW-62(10-15)-041323

Lab Sample ID: 500-232207-10

Date Collected: 04/13/23 14:00

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 83.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:03	1
Zinc	0.15	J	0.50	0.020	mg/L		04/18/23 17:11	04/25/23 01:03	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		12	4.7	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Antimony	0.39	J	1.2	0.22	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Arsenic	5.6		0.58	0.20	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Barium	87	B	0.58	0.066	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Beryllium	0.87	B	0.23	0.054	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Cadmium	0.13	B	0.12	0.021	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Calcium	51000	B	58	9.8	mg/Kg	☆	04/20/23 09:34	04/25/23 15:03	5
Chromium	17		0.58	0.28	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Cobalt	12		0.29	0.075	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Copper	20		0.58	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Iron	19000		12	6.0	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Lead	13		0.29	0.13	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Magnesium	27000		5.8	2.9	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Manganese	400		0.58	0.083	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Nickel	29		0.58	0.17	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Potassium	3300		29	10	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Silver	0.26	J	0.29	0.074	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Sodium	520		58	8.5	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Thallium	0.73		0.58	0.29	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Vanadium	23	B	0.29	0.068	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1
Zinc	54		1.2	0.51	mg/Kg	☆	04/20/23 09:34	04/24/23 22:12	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/19/23 11:30	04/20/23 10:26	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:16	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.019	0.010	mg/Kg	☆	04/21/23 15:35	04/24/23 07:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.2	0.2	SU			04/17/23 19:59	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	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.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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.
S1-	Surrogate recovery exceeds control limits, low biased.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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Chain of Custody Record

538483



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name: <u>Western Solutions</u> Address: <u>300 Knightbridge Plany</u> City/State/Zip: <u>Medford, OR</u> Phone: _____ Fax: _____ Project Name: <u>2205 05</u> Site: <u>280</u> P O #: _____		Project Manager: <u>A. Slesers</u> Tel/Email: _____		Site Contact: <u>C. Penn</u> Date: <u>4/13/23</u>		COC No: _____ 3 of 4 COCs					
Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Lab Contact: <u>R Wright</u> Carrier: _____		Sampler: _____ For Lab Use Only: Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>		Job / SDG No: <u>500-232207</u>					
Sample Identification 500-232207 Waybi		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N) Perform MS /MSD (Y/N)	VOCs SVOCs Total Metals TCLP / SPC Metals pH	Sample Specific Notes		
1	Row-53 (10-5) -041323	4/13/23	1220	G	S	6		X X X X X			
2	Row-54 (0-5) -041323		1240								
3	Row-55 (0-5) -041323		1300								
4	Row-55 (5-10) -041323		1305								
5	Row-55 (10-15) -041323		1310								
6	Row-56 (0-5) -041323		1330								
7	Row-56 (0-5) -041323D		1330								
8	Row-62 (0-5) -041323		1350								
9	Row-62 (5-10) -041323		1355								
10	Row-62 (10-15) -041323		1400								
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other								Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown								Special Instructions/QC Requirements & Comments: <u>5.8 -> 4.7, 5.5 -> 4.4, 5.8 -> 4.7</u>			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No. _____		Cooler Temp. (°C): Obs'd _____ Corr'd _____		Therm ID No _____					
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>4/13/23 1645</u>		Received by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1645</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1802</u>		Received by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1802</u>	
Relinquished by: <u>[Signature]</u>		Company: _____		Date/Time: _____		Received in Laboratory by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: _____	

Chain of Custody Record 641360



Environment Testing
America

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <i>A. Steiner</i>		Site Contact: <i>Alan</i>		Date: <i>4.13.23</i>		COC No			
Company Name: <i>W. J. Sullivan</i>		Tel/Email:		Lab Contact: <i>R. W. F. M.</i>		Carrier		4 of 4 COCs			
Address: <i>380 Knightbridge Pkwy</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS/MSD (Y/N)		NOES SUDES TOTAL METALS TECP/SOP metals PTA		Sampler: For Lab Use Only: Walk-in Client Lab Sampling		Job / SDG No <i>500-232207</i>	
City/State/Zip: <i>Chesham, DC</i>											
Phone											
Fax											
Project Name: <i>RDOT 051</i>											
Site: <i>P 30</i>											
PO #											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sample Specific Notes		
<i>11 ROW-63 (0-5)-041323</i>		<i>4.13.23</i>	<i>1430</i>	<i>G</i>	<i>S</i>	<i>6</i>		<i>X</i>	<i>✓</i>	<i>X X X</i>	
<i>12 ROW-64 (0-5)-041323</i>		<i>↓</i>	<i>1450</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>		<i>↓</i>	<i>↓</i>	<i>↓</i>	
<i>13 ROW-65 (0-5)-041323</i>		<i>↓</i>	<i>1500</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>		<i>↓</i>	<i>↓</i>	<i>↓</i>	
<i>14 ROW-65 (5-10)-041323</i>		<i>↓</i>	<i>1505</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>		<i>↓</i>	<i>↓</i>	<i>↓</i>	
<i>15 RC-6 (0-5)-041323</i>		<i>↓</i>	<i>1545</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>		<i>↓</i>	<i>↓</i>	<i>↓</i>	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other											
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments:											
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____					
Relinquished by: <i>[Signature]</i>		Company: <i>NS</i>		Date/Time: <i>4.13.23/1802</i>		Received by: <i>M. J. Ellison</i>		Company: <i>EETA</i>		Date/Time: <i>4/13/23 1645</i>	
Relinquished by: <i>M. J. Ellison</i>		Company: <i>EETA</i>		Date/Time: <i>4/13/23 1802</i>		Received by: <i>[Signature]</i>		Company: <i>EETA</i>		Date/Time: _____	
Relinquished by: <i>[Signature]</i>		Company: _____		Date/Time: _____		Received in Laboratory by: <i>[Signature]</i>		Company: <i>EETA</i>		Date/Time: <i>4/13/23 1802</i>	





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 80 (I-80) - e/o River Rd to w/o Houbolt Rd Office Phone Number, if available: _____

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

I-80 Detention Basin, SW quadrant of I-80/I-55 Interchange (ISGS Site 2233V3-1)

City: Various State: IL Zip Code: _____

County: Will Township: _____

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

Latitude: 41.48531 Longitude: - 88.19897
(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.): 30,000

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 DB-1 THROUGH DB-3 WERE SAMPLED ALONG W. FRONTAGE ROAD. SEE FIGURE 3-5, AND TABLE 4-1 OF THE 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]:

EUROFINS ANALYTICAL REPORTS - JOB ID: 500-231934-1. ALSO SEE FIGURE 4-5 OF THE PRELIMINARY SITE INVESTIGATION REPORT.

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

I, Michael A. Castillo, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

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

Company Name: Weston Solutions, Inc.
Street Address: 300 Knightsbridge Parkway; Suite 360
City: Lincolnshire State: IL Zip Code: 60069
Phone: (224) 864-7200

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

Michael A. Castillo
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

7 June 2023
Date:



**Summary Table - I-80 ROW - Detention Basin (ISGS Site No. 2233V3-1)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	DB-1	DB-1	DB-1	DB-2	DB-2	DB-3	DB-3
		DB-1(0-5)-040723	DB-1(0-5)-040723D	DB-1(5-10)-040723	DB-2(0-5)-040723	DB-2(5-10)-040723	DB-3(0-5)-040723	DB-3(5-10)-040723
Field Sample ID		4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023	4/7/2023
Sample Date		2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1	2233V3-1
ISGS Site No								
Laboratory pH	<6.25, >9.0	7.7	7.6	7.6	8.4	8.3	7.9	7.6
VOCs (mg/kg)								
Acetone	25	0.014 J	0.019	0.015 J	ND	ND	ND	ND
Methyl ethyl ketone	---	ND	ND	0.002 J	ND	ND	ND	ND
SVOCs (mg/kg)								
Fluoranthene	3100	ND	ND	0.0076 J	ND	ND	ND	ND
Pyrene	2300	ND	ND	0.0091 J	ND	ND	ND	ND
Total Metals (mg/kg)								
Aluminum, Total	---	14000 B	16000 B	13000 B	15000 B	13000 B	11000 B	13000 B
Antimony, Total	5	0.26 J	0.22 J	ND	0.34 J	ND	0.38 J	ND
Arsenic, Total	11.3 / 13	7.4	9.2	6.8	8.4	7.1	9.3	7.1
Barium, Total	1500	88	99	110	130	64	58	55
Beryllium, Total	22	0.94	1.1	0.92	1	0.94	0.83	0.97
Cadmium, Total	5.2	0.26 J	0.21 J	0.22 J	0.18 J	0.24 J	0.25 J	0.25 J
Calcium, Total	---	54000 J	19000 J	34000 B	15000 B	65000 B	68000 B	63000 B
Chromium, Total	21	18	18	16	20	17	14	17
Cobalt, Total	20	13	13	11	13	11	12	13
Copper, Total	2900	20 B	19 B	18 B	26 B	20 B	22 B	22 B
Iron, Total	15000 / 15900	21000 B	22000 B	19000 B	23000 B	20000 B	20000 B	21000 B
Lead, Total	107	15	18	18	17	12	16	14
Magnesium, Total	325000	19000 J	11000 J	18000 B	12000 B	22000 B	29000 B	21000 B
Manganese, Total	630 / 636	620 J	360 J	490 B	400 B	350 B	420 B	410 B
Mercury, Total	0.89	0.031	0.035	0.028	0.035	0.024	0.03	0.027
Nickel, Total	100	34	34	29	37	33	30	36
Potassium, Total	---	2500	1900	2100	1900	2800	2400	2800
Selenium, Total	1.3	ND	ND	ND	ND	ND	ND	ND
Silver, Total	4.4	0.43	0.57	0.43	0.47	0.35	0.34	0.39
Sodium, Total	---	630	690	570	310	250	520	160
Thallium, Total	2.6	ND	ND	ND	ND	ND	0.4 J	0.3 J
Vanadium, Total	550	29	34	30	30	27	25	27
Zinc, Total	5100	66	65	60	71	58	63	59
TCLP Metals (mg/l)								
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.75	0.86	0.91	0.92	0.47 J	0.54	0.37 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	ND	ND	0.002 J	0.0039 J
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.011 J	0.015 J	0.02 J	ND	ND	0.045	0.017 J
Copper, TCLP	0.65	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	ND	ND	ND	ND
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	6.7 B	6.4 B	6.5 B	0.22 B	0.52 B	7.9	3.3
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	ND	0.012 J	ND	ND	0.028	0.032
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	ND	ND	ND	ND	ND	ND
SPLP Metals (mg/l)								
Arsenic, SPLP	0.05	ND	0.012 J	0.02 J	0.026 J	0.061	0.053	0.012 J
Barium, SPLP	2	0.13 J	0.18 J	0.36 J	0.5	0.62	0.49 J	0.15 J
Beryllium, SPLP	0.004	ND	ND	ND	0.0044	0.0077	0.0067	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.027	0.041	0.075	0.09	0.16	0.14	0.04
Cobalt, SPLP	1	ND	0.012 J	0.028	0.016 J	0.045	0.037	ND
Copper, SPLP	0.65	0.022 J	0.031	0.058	0.067	0.15	0.13	0.032
Iron, SPLP	5	23	36	68	75	160	140	33
Lead, SPLP	0.0075	0.013	0.021	0.049	0.031	0.072	0.06	0.017
Manganese, SPLP	0.15	0.22 J	0.38 J	0.9 J	0.27	0.65	0.6	0.17
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.022 J	0.036	0.07	0.075	0.16	0.14	0.032
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	ND	ND	0.5 J	0.5 J	0.5 J	0.5 J	ND

Notes and Abbreviations:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/24/2023 5:24:52 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231934-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231934-1	ROW-32(0-5)-040723	Solid	04/07/23 12:25	04/07/23 16:57
500-231934-2	ROW-33(0-5)-040723	Solid	04/07/23 12:40	04/07/23 16:57
500-231934-3	ROW-34(0-5)-040723	Solid	04/07/23 12:55	04/07/23 16:57
500-231934-4	ROW-34(5-10)-040723	Solid	04/07/23 13:00	04/07/23 16:57
500-231934-5	ROW-35(0-5)-040723	Solid	04/07/23 13:10	04/07/23 16:57
500-231934-6	ROW-35(5-10)-040723	Solid	04/07/23 13:15	04/07/23 16:57
500-231934-7	ROW-35(5-10)-040723D	Solid	04/07/23 13:15	04/07/23 16:57
500-231934-8	ROW-35(10-15)-040723	Solid	04/07/23 13:20	04/07/23 16:57
500-231934-9	ROW-36(0-5)-040723	Solid	04/07/23 13:35	04/07/23 16:57
500-231934-10	DB-2(0-5)-040723	Solid	04/07/23 14:40	04/07/23 16:57
500-231934-11	DB-2(5-10)-040723	Solid	04/07/23 14:45	04/07/23 16:57
500-231934-12	DB-3(0-5)-040723	Solid	04/07/23 15:00	04/07/23 16:57
500-231934-13	DB-3(5-10)-040723	Solid	04/07/23 15:05	04/07/23 16:57
500-231934-14	DB-1(0-5)-040723	Solid	04/07/23 15:25	04/07/23 16:57
500-231934-15	DB-1(0-5)-040723D	Solid	04/07/23 15:25	04/07/23 16:57
500-231934-16	DB-1(5-10)-040723	Solid	04/07/23 15:30	04/07/23 16:57



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-2(0-5)-040723

Lab Sample ID: 500-231934-10

Date Collected: 04/07/23 14:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 81.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0074	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Chloroethane	<0.0042		0.0042	0.0013	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☆	04/08/23 12:30	04/18/23 01:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	04/08/23 12:30	04/18/23 01:04	1
Dibromofluoromethane (Surr)	107		75 - 126	04/08/23 12:30	04/18/23 01:04	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	04/08/23 12:30	04/18/23 01:04	1
Toluene-d8 (Surr)	106		75 - 124	04/08/23 12:30	04/18/23 01:04	1

Method: SW846 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	☆	04/20/23 07:08	04/20/23 16:08	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	04/20/23 07:08	04/20/23 16:08	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☆	04/20/23 07:08	04/20/23 16:08	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☆	04/20/23 07:08	04/20/23 16:08	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☆	04/20/23 07:08	04/20/23 16:08	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-2(0-5)-040723

Lab Sample ID: 500-231934-10

Date Collected: 04/07/23 14:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 81.2

Method: SW846 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	☼	04/20/23 07:08	04/20/23 16:08	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-2(0-5)-040723

Lab Sample ID: 500-231934-10

Date Collected: 04/07/23 14:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 81.2

Method: SW846 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	☼	04/20/23 07:08	04/20/23 16:08	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1
Pyrene	<0.040		0.040	0.0081	mg/Kg	☼	04/20/23 07:08	04/20/23 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	62		31 - 143	04/20/23 07:08	04/20/23 16:08	1
2-Fluorobiphenyl (Surr)	65		43 - 145	04/20/23 07:08	04/20/23 16:08	1
2-Fluorophenol (Surr)	72		31 - 166	04/20/23 07:08	04/20/23 16:08	1
Nitrobenzene-d5 (Surr)	76		37 - 147	04/20/23 07:08	04/20/23 16:08	1
Phenol-d5 (Surr)	84		30 - 153	04/20/23 07:08	04/20/23 16:08	1
Terphenyl-d14 (Surr)	106		42 - 157	04/20/23 07:08	04/20/23 16:08	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 16:53	04/13/23 13:20	1
Barium	0.92		0.50	0.050	mg/L		04/12/23 16:53	04/13/23 13:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:53	04/13/23 13:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:53	04/13/23 13:20	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:20	1
Cobalt	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:20	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:20	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:53	04/13/23 13:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:53	04/13/23 13:20	1
Manganese	0.22	B	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:20	1
Nickel	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:20	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:53	04/13/23 13:20	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:20	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 16:53	04/13/23 13:20	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.026	J	0.050	0.010	mg/L		04/12/23 16:54	04/13/23 22:41	1
Barium	0.50		0.50	0.050	mg/L		04/12/23 16:54	04/13/23 22:41	1
Beryllium	0.0044		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 22:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 22:41	1
Chromium	0.090		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:41	1
Cobalt	0.016	J	0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:41	1
Copper	0.067		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:41	1
Iron	75		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 22:41	1
Lead	0.031		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 22:41	1
Manganese	0.27		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:41	1
Nickel	0.075		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:41	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 22:41	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-2(0-5)-040723

Lab Sample ID: 500-231934-10

Date Collected: 04/07/23 14:40

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 81.2

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:41	1
Zinc	0.16	J B	0.50	0.020	mg/L		04/12/23 16:54	04/13/23 22:41	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15000	B	11	4.7	mg/Kg	☆	04/13/23 09:36	04/17/23 20:26	1
Antimony	0.34	J	1.1	0.22	mg/Kg	☆	04/13/23 09:36	04/17/23 20:26	1
Arsenic	8.4		0.57	0.20	mg/Kg	☆	04/13/23 09:36	04/17/23 20:26	1
Barium	130		0.57	0.065	mg/Kg	☆	04/13/23 09:36	04/17/23 20:26	1
Beryllium	1.0		0.23	0.053	mg/Kg	☆	04/13/23 09:36	04/14/23 21:32	1
Cadmium	0.18	B	0.11	0.021	mg/Kg	☆	04/13/23 09:36	04/17/23 20:26	1
Calcium	15000	B	11	1.9	mg/Kg	☆	04/13/23 09:36	04/17/23 20:26	1
Chromium	20		0.57	0.28	mg/Kg	☆	04/13/23 09:36	04/17/23 20:26	1
Cobalt	13		0.29	0.075	mg/Kg	☆	04/13/23 09:36	04/17/23 20:26	1
Copper	26	B	0.57	0.16	mg/Kg	☆	04/13/23 09:36	04/17/23 20:26	1
Iron	23000	B	11	6.0	mg/Kg	☆	04/13/23 09:36	04/17/23 20:26	1
Lead	17		0.29	0.13	mg/Kg	☆	04/13/23 09:36	04/14/23 21:32	1
Magnesium	12000	B	5.7	2.8	mg/Kg	☆	04/13/23 09:36	04/14/23 21:32	1
Manganese	400	B	0.57	0.083	mg/Kg	☆	04/13/23 09:36	04/14/23 21:32	1
Nickel	37		0.57	0.17	mg/Kg	☆	04/13/23 09:36	04/14/23 21:32	1
Potassium	1900		29	10	mg/Kg	☆	04/13/23 09:36	04/17/23 20:26	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	04/13/23 09:36	04/17/23 20:26	1
Silver	0.47		0.29	0.074	mg/Kg	☆	04/13/23 09:36	04/17/23 20:26	1
Sodium	310		57	8.5	mg/Kg	☆	04/13/23 09:36	04/17/23 20:26	1
Thallium	<0.57		0.57	0.29	mg/Kg	☆	04/13/23 09:36	04/14/23 21:32	1
Vanadium	30		0.29	0.068	mg/Kg	☆	04/13/23 09:36	04/14/23 21:32	1
Zinc	71		1.1	0.50	mg/Kg	☆	04/13/23 09:36	04/17/23 20:26	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 11:31	1

Method: SW846 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		04/13/23 11:45	04/14/23 09:30	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.018	0.0096	mg/Kg	☆	04/12/23 17:00	04/13/23 07:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4		0.2	0.2	SU			04/11/23 21:07	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-2(5-10)-040723

Lab Sample ID: 500-231934-11

Date Collected: 04/07/23 14:45

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0065	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Carbon disulfide	<0.0037		0.0037	0.00078	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
1,1-Dichloroethene	<0.0015		0.0015	0.00052	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00053	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Ethylbenzene	<0.0015		0.0015	0.00072	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0017	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00053	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Trichloroethene	<0.0015		0.0015	0.00051	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	✳	04/08/23 12:30	04/18/23 01:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	04/08/23 12:30	04/18/23 01:27	1
Dibromofluoromethane (Surr)	104		75 - 126	04/08/23 12:30	04/18/23 01:27	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	04/08/23 12:30	04/18/23 01:27	1
Toluene-d8 (Surr)	108		75 - 124	04/08/23 12:30	04/18/23 01:27	1

Method: SW846 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	✳	04/20/23 07:08	04/20/23 16:33	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	✳	04/20/23 07:08	04/20/23 16:33	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/20/23 07:08	04/20/23 16:33	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/20/23 07:08	04/20/23 16:33	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	✳	04/20/23 07:08	04/20/23 16:33	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-2(5-10)-040723

Lab Sample ID: 500-231934-11

Date Collected: 04/07/23 14:45

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.8

Method: SW846 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	☼	04/20/23 07:08	04/20/23 16:33	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
2,4-Dinitrophenol	<0.77		0.77	0.68	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
2-Methylnaphthalene	<0.077		0.077	0.0071	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
4-Nitrophenol	<0.77		0.77	0.37	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Carbazole	<0.19		0.19	0.096	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-2(5-10)-040723

Lab Sample ID: 500-231934-11

Date Collected: 04/07/23 14:45

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.8

Method: SW846 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	☼	04/20/23 07:08	04/20/23 16:33	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Pentachlorophenol	<0.77		0.77	0.62	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	04/20/23 07:08	04/20/23 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	68		31 - 143	04/20/23 07:08	04/20/23 16:33	1
2-Fluorobiphenyl (Surr)	81		43 - 145	04/20/23 07:08	04/20/23 16:33	1
2-Fluorophenol (Surr)	82		31 - 166	04/20/23 07:08	04/20/23 16:33	1
Nitrobenzene-d5 (Surr)	90		37 - 147	04/20/23 07:08	04/20/23 16:33	1
Phenol-d5 (Surr)	88		30 - 153	04/20/23 07:08	04/20/23 16:33	1
Terphenyl-d14 (Surr)	92		42 - 157	04/20/23 07:08	04/20/23 16:33	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J B	0.050	0.010	mg/L		04/12/23 16:53	04/13/23 13:23	1
Barium	0.47	J	0.50	0.050	mg/L		04/12/23 16:53	04/13/23 13:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:53	04/13/23 13:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:53	04/13/23 13:23	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:23	1
Cobalt	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:23	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:23	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:53	04/13/23 13:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:53	04/13/23 13:23	1
Manganese	0.52	B	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:23	1
Nickel	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:23	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:53	04/13/23 13:23	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:23	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 16:53	04/13/23 13:23	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.061		0.050	0.010	mg/L		04/12/23 16:54	04/13/23 22:45	1
Barium	0.62		0.50	0.050	mg/L		04/12/23 16:54	04/13/23 22:45	1
Beryllium	0.0077		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 22:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 22:45	1
Chromium	0.16		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:45	1
Cobalt	0.045		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:45	1
Copper	0.15		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:45	1
Iron	160		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 22:45	1
Lead	0.072		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 22:45	1
Manganese	0.65		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:45	1
Nickel	0.16		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:45	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 22:45	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-2(5-10)-040723

Lab Sample ID: 500-231934-11

Date Collected: 04/07/23 14:45

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:45	1
Zinc	0.38	J B	0.50	0.020	mg/L		04/12/23 16:54	04/13/23 22:45	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000	B	11	4.6	mg/Kg	☆	04/13/23 09:36	04/17/23 20:29	1
Antimony	<1.1		1.1	0.22	mg/Kg	☆	04/13/23 09:36	04/17/23 20:29	1
Arsenic	7.1		0.56	0.19	mg/Kg	☆	04/13/23 09:36	04/17/23 20:29	1
Barium	64		0.56	0.064	mg/Kg	☆	04/13/23 09:36	04/17/23 20:29	1
Beryllium	0.94		0.22	0.052	mg/Kg	☆	04/13/23 09:36	04/14/23 21:35	1
Cadmium	0.24	B	0.11	0.020	mg/Kg	☆	04/13/23 09:36	04/17/23 20:29	1
Calcium	65000	B	56	9.5	mg/Kg	☆	04/13/23 09:36	04/18/23 15:05	5
Chromium	17		0.56	0.28	mg/Kg	☆	04/13/23 09:36	04/17/23 20:29	1
Cobalt	11		0.28	0.073	mg/Kg	☆	04/13/23 09:36	04/17/23 20:29	1
Copper	20	B	0.56	0.16	mg/Kg	☆	04/13/23 09:36	04/17/23 20:29	1
Iron	20000	B	11	5.8	mg/Kg	☆	04/13/23 09:36	04/17/23 20:29	1
Lead	12		0.28	0.13	mg/Kg	☆	04/13/23 09:36	04/14/23 21:35	1
Magnesium	22000	B	5.6	2.8	mg/Kg	☆	04/13/23 09:36	04/14/23 21:35	1
Manganese	350	B	0.56	0.081	mg/Kg	☆	04/13/23 09:36	04/14/23 21:35	1
Nickel	33		0.56	0.16	mg/Kg	☆	04/13/23 09:36	04/14/23 21:35	1
Potassium	2800		28	9.9	mg/Kg	☆	04/13/23 09:36	04/17/23 20:29	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	04/13/23 09:36	04/17/23 20:29	1
Silver	0.35		0.28	0.072	mg/Kg	☆	04/13/23 09:36	04/17/23 20:29	1
Sodium	250		56	8.3	mg/Kg	☆	04/13/23 09:36	04/17/23 20:29	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	04/13/23 09:36	04/14/23 21:35	1
Vanadium	27		0.28	0.066	mg/Kg	☆	04/13/23 09:36	04/14/23 21:35	1
Zinc	58		1.1	0.49	mg/Kg	☆	04/13/23 09:36	04/17/23 20:29	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 11:33	1

Method: SW846 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		04/13/23 11:45	04/14/23 09:32	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.018	0.0095	mg/Kg	☆	04/12/23 17:00	04/13/23 07:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3		0.2	0.2	SU			04/11/23 21:12	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-3(0-5)-040723

Lab Sample ID: 500-231934-12

Date Collected: 04/07/23 15:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 82.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0067	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Bromomethane	<0.0038		0.0038	0.0015	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Carbon disulfide	<0.0038		0.0038	0.00080	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Carbon tetrachloride	<0.0015		0.0015	0.00045	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Chlorobenzene	<0.0015		0.0015	0.00057	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
1,1-Dichloroethane	<0.0015		0.0015	0.00053	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Ethylbenzene	<0.0015		0.0015	0.00074	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	☆	04/08/23 12:30	04/18/23 01:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		75 - 131	04/08/23 12:30	04/18/23 01:51	1
Dibromofluoromethane (Surr)	104		75 - 126	04/08/23 12:30	04/18/23 01:51	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	04/08/23 12:30	04/18/23 01:51	1
Toluene-d8 (Surr)	107		75 - 124	04/08/23 12:30	04/18/23 01:51	1

Method: SW846 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	☆	04/20/23 07:08	04/20/23 21:55	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☆	04/20/23 07:08	04/20/23 21:55	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☆	04/20/23 07:08	04/20/23 21:55	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☆	04/20/23 07:08	04/20/23 21:55	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☆	04/20/23 07:08	04/20/23 21:55	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-3(0-5)-040723

Lab Sample ID: 500-231934-12

Date Collected: 04/07/23 15:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 82.4

Method: SW846 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	✳	04/20/23 07:08	04/20/23 21:55	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Carbazole	<0.20		0.20	0.098	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	✳	04/20/23 07:08	04/20/23 21:55	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-3(0-5)-040723

Lab Sample ID: 500-231934-12

Date Collected: 04/07/23 15:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 82.4

Method: SW846 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	☼	04/20/23 07:08	04/20/23 21:55	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/20/23 07:08	04/20/23 21:55	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	04/20/23 07:08	04/20/23 21:55	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	04/20/23 07:08	04/20/23 21:55	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/20/23 07:08	04/20/23 21:55	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/20/23 07:08	04/20/23 21:55	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	04/20/23 07:08	04/20/23 21:55	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	04/20/23 07:08	04/20/23 21:55	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/20/23 07:08	04/20/23 21:55	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	04/20/23 07:08	04/20/23 21:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	52		31 - 143	04/20/23 07:08	04/20/23 21:55	1
2-Fluorobiphenyl (Surr)	75		43 - 145	04/20/23 07:08	04/20/23 21:55	1
2-Fluorophenol (Surr)	81		31 - 166	04/20/23 07:08	04/20/23 21:55	1
Nitrobenzene-d5 (Surr)	87		37 - 147	04/20/23 07:08	04/20/23 21:55	1
Phenol-d5 (Surr)	87		30 - 153	04/20/23 07:08	04/20/23 21:55	1
Terphenyl-d14 (Surr)	107		42 - 157	04/20/23 07:08	04/20/23 21:55	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 16:53	04/13/23 14:06	1
Barium	0.54		0.50	0.050	mg/L		04/12/23 16:53	04/13/23 14:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:53	04/13/23 14:06	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		04/12/23 16:53	04/13/23 14:06	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 14:06	1
Cobalt	0.045		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 14:06	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 14:06	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:53	04/13/23 14:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:53	04/13/23 14:06	1
Manganese	7.9		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 14:06	1
Nickel	0.028		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 14:06	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:53	04/13/23 14:06	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 14:06	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 16:53	04/13/23 14:06	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.053		0.050	0.010	mg/L		04/12/23 16:54	04/13/23 22:48	1
Barium	0.49	J	0.50	0.050	mg/L		04/12/23 16:54	04/13/23 22:48	1
Beryllium	0.0067		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 22:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 22:48	1
Chromium	0.14		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:48	1
Cobalt	0.037		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:48	1
Copper	0.13		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:48	1
Iron	140		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 22:48	1
Lead	0.060		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 22:48	1
Manganese	0.60		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:48	1
Nickel	0.14		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:48	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 22:48	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-3(0-5)-040723

Lab Sample ID: 500-231934-12

Date Collected: 04/07/23 15:00

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 82.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 22:48	1
Zinc	0.37	J B	0.50	0.020	mg/L		04/12/23 16:54	04/13/23 22:48	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000	B	12	4.8	mg/Kg	☆	04/13/23 09:36	04/17/23 20:39	1
Antimony	0.38	J	1.2	0.23	mg/Kg	☆	04/13/23 09:36	04/17/23 20:39	1
Arsenic	9.3		0.58	0.20	mg/Kg	☆	04/13/23 09:36	04/17/23 20:39	1
Barium	58		0.58	0.066	mg/Kg	☆	04/13/23 09:36	04/17/23 20:39	1
Beryllium	0.83		0.23	0.054	mg/Kg	☆	04/13/23 09:36	04/14/23 21:39	1
Cadmium	0.25	B	0.12	0.021	mg/Kg	☆	04/13/23 09:36	04/17/23 20:39	1
Calcium	68000	B	58	9.9	mg/Kg	☆	04/13/23 09:36	04/18/23 15:08	5
Chromium	14		0.58	0.29	mg/Kg	☆	04/13/23 09:36	04/17/23 20:39	1
Cobalt	12		0.29	0.076	mg/Kg	☆	04/13/23 09:36	04/17/23 20:39	1
Copper	22	B	0.58	0.16	mg/Kg	☆	04/13/23 09:36	04/17/23 20:39	1
Iron	20000	B	12	6.1	mg/Kg	☆	04/13/23 09:36	04/17/23 20:39	1
Lead	16		0.29	0.13	mg/Kg	☆	04/13/23 09:36	04/14/23 21:39	1
Magnesium	29000	B	5.8	2.9	mg/Kg	☆	04/13/23 09:36	04/14/23 21:39	1
Manganese	420	B	0.58	0.084	mg/Kg	☆	04/13/23 09:36	04/14/23 21:39	1
Nickel	30		0.58	0.17	mg/Kg	☆	04/13/23 09:36	04/14/23 21:39	1
Potassium	2400		29	10	mg/Kg	☆	04/13/23 09:36	04/17/23 20:39	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/13/23 09:36	04/17/23 20:39	1
Silver	0.34		0.29	0.075	mg/Kg	☆	04/13/23 09:36	04/17/23 20:39	1
Sodium	520		58	8.6	mg/Kg	☆	04/13/23 09:36	04/17/23 20:39	1
Thallium	0.40	J	0.58	0.29	mg/Kg	☆	04/13/23 09:36	04/14/23 21:39	1
Vanadium	25		0.29	0.069	mg/Kg	☆	04/13/23 09:36	04/14/23 21:39	1
Zinc	63		1.2	0.51	mg/Kg	☆	04/13/23 09:36	04/17/23 20:39	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 11:58	1

Method: SW846 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		04/13/23 11:45	04/14/23 09:34	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.019	0.010	mg/Kg	☆	04/12/23 17:00	04/13/23 07:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			04/11/23 21:17	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-3(5-10)-040723

Lab Sample ID: 500-231934-13

Date Collected: 04/07/23 15:05

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0071	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Carbon disulfide	<0.0041		0.0041	0.00085	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1
Xylenes, Total	<0.0033		0.0033	0.00052	mg/Kg	☆	04/08/23 12:30	04/18/23 02:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 131	04/08/23 12:30	04/18/23 02:14	1
Dibromofluoromethane (Surr)	109		75 - 126	04/08/23 12:30	04/18/23 02:14	1
1,2-Dichloroethane-d4 (Surr)	112		70 - 134	04/08/23 12:30	04/18/23 02:14	1
Toluene-d8 (Surr)	106		75 - 124	04/08/23 12:30	04/18/23 02:14	1

Method: SW846 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	☆	04/20/23 07:08	04/20/23 17:22	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☆	04/20/23 07:08	04/20/23 17:22	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	04/20/23 07:08	04/20/23 17:22	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☆	04/20/23 07:08	04/20/23 17:22	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	04/20/23 07:08	04/20/23 17:22	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-3(5-10)-040723

Lab Sample ID: 500-231934-13

Date Collected: 04/07/23 15:05

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.6

Method: SW846 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	✱	04/20/23 07:08	04/20/23 17:22	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✱	04/20/23 07:08	04/20/23 17:22	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-3(5-10)-040723

Lab Sample ID: 500-231934-13

Date Collected: 04/07/23 15:05

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.6

Method: SW846 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	☼	04/20/23 07:08	04/20/23 17:22	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/20/23 07:08	04/20/23 17:22	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/20/23 07:08	04/20/23 17:22	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/20/23 07:08	04/20/23 17:22	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	04/20/23 07:08	04/20/23 17:22	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/20/23 07:08	04/20/23 17:22	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	04/20/23 07:08	04/20/23 17:22	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	04/20/23 07:08	04/20/23 17:22	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	04/20/23 07:08	04/20/23 17:22	1
Pyrene	<0.038		0.038	0.0076	mg/Kg	☼	04/20/23 07:08	04/20/23 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	72		31 - 143	04/20/23 07:08	04/20/23 17:22	1
2-Fluorobiphenyl (Surr)	87		43 - 145	04/20/23 07:08	04/20/23 17:22	1
2-Fluorophenol (Surr)	92		31 - 166	04/20/23 07:08	04/20/23 17:22	1
Nitrobenzene-d5 (Surr)	102		37 - 147	04/20/23 07:08	04/20/23 17:22	1
Phenol-d5 (Surr)	94		30 - 153	04/20/23 07:08	04/20/23 17:22	1
Terphenyl-d14 (Surr)	108		42 - 157	04/20/23 07:08	04/20/23 17:22	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 16:53	04/13/23 14:09	1
Barium	0.37	J	0.50	0.050	mg/L		04/12/23 16:53	04/13/23 14:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:53	04/13/23 14:09	1
Cadmium	0.0039	J	0.0050	0.0020	mg/L		04/12/23 16:53	04/13/23 14:09	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 14:09	1
Cobalt	0.017	J	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 14:09	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 14:09	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:53	04/13/23 14:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:53	04/13/23 14:09	1
Manganese	3.3		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 14:09	1
Nickel	0.032		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 14:09	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:53	04/13/23 14:09	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 14:09	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 16:53	04/13/23 14:09	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		04/12/23 16:54	04/13/23 23:01	1
Barium	0.15	J	0.50	0.050	mg/L		04/12/23 16:54	04/13/23 23:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 23:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 23:01	1
Chromium	0.040		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:01	1
Cobalt	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:01	1
Copper	0.032		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:01	1
Iron	33		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 23:01	1
Lead	0.017		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 23:01	1
Manganese	0.17		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:01	1
Nickel	0.032		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:01	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 23:01	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-3(5-10)-040723

Lab Sample ID: 500-231934-13

Date Collected: 04/07/23 15:05

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 83.6

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:01	1
Zinc	0.073	J B	0.50	0.020	mg/L		04/12/23 16:54	04/13/23 23:01	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000	B	11	4.5	mg/Kg	☆	04/13/23 09:36	04/17/23 20:42	1
Antimony	<1.1		1.1	0.21	mg/Kg	☆	04/13/23 09:36	04/17/23 20:42	1
Arsenic	7.1		0.55	0.19	mg/Kg	☆	04/13/23 09:36	04/17/23 20:42	1
Barium	55		0.55	0.063	mg/Kg	☆	04/13/23 09:36	04/17/23 20:42	1
Beryllium	0.97		0.22	0.051	mg/Kg	☆	04/13/23 09:36	04/14/23 21:42	1
Cadmium	0.25	B	0.11	0.020	mg/Kg	☆	04/13/23 09:36	04/17/23 20:42	1
Calcium	63000	B	55	9.3	mg/Kg	☆	04/13/23 09:36	04/18/23 15:11	5
Chromium	17		0.55	0.27	mg/Kg	☆	04/13/23 09:36	04/17/23 20:42	1
Cobalt	13		0.27	0.072	mg/Kg	☆	04/13/23 09:36	04/17/23 20:42	1
Copper	22	B	0.55	0.15	mg/Kg	☆	04/13/23 09:36	04/17/23 20:42	1
Iron	21000	B	11	5.7	mg/Kg	☆	04/13/23 09:36	04/17/23 20:42	1
Lead	14		0.27	0.13	mg/Kg	☆	04/13/23 09:36	04/14/23 21:42	1
Magnesium	21000	B	5.5	2.7	mg/Kg	☆	04/13/23 09:36	04/14/23 21:42	1
Manganese	410	B	0.55	0.080	mg/Kg	☆	04/13/23 09:36	04/14/23 21:42	1
Nickel	36		0.55	0.16	mg/Kg	☆	04/13/23 09:36	04/14/23 21:42	1
Potassium	2800		27	9.7	mg/Kg	☆	04/13/23 09:36	04/17/23 20:42	1
Selenium	<0.55		0.55	0.32	mg/Kg	☆	04/13/23 09:36	04/17/23 20:42	1
Silver	0.39		0.27	0.071	mg/Kg	☆	04/13/23 09:36	04/17/23 20:42	1
Sodium	160		55	8.1	mg/Kg	☆	04/13/23 09:36	04/17/23 20:42	1
Thallium	0.30	J	0.55	0.27	mg/Kg	☆	04/13/23 09:36	04/14/23 21:42	1
Vanadium	27		0.27	0.065	mg/Kg	☆	04/13/23 09:36	04/14/23 21:42	1
Zinc	59		1.1	0.48	mg/Kg	☆	04/13/23 09:36	04/17/23 20:42	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 12:00	1

Method: SW846 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		04/13/23 11:45	04/14/23 09:41	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.019	0.010	mg/Kg	☆	04/12/23 17:00	04/13/23 07:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			04/11/23 21:19	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-1(0-5)-040723

Lab Sample ID: 500-231934-14

Date Collected: 04/07/23 15:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 80.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.014	J	0.016	0.0071	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Carbon disulfide	<0.0041		0.0041	0.00085	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Chloroform	<0.0016		0.0016	0.00057	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00046	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Tetrachloroethene	<0.0016		0.0016	0.00056	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1
Xylenes, Total	<0.0033		0.0033	0.00052	mg/Kg	✱	04/08/23 12:30	04/18/23 02:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		75 - 131	04/08/23 12:30	04/18/23 02:38	1
Dibromofluoromethane (Surr)	104		75 - 126	04/08/23 12:30	04/18/23 02:38	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	04/08/23 12:30	04/18/23 02:38	1
Toluene-d8 (Surr)	111		75 - 124	04/08/23 12:30	04/18/23 02:38	1

Method: SW846 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	✱	04/20/23 07:08	04/20/23 17:47	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-1(0-5)-040723

Lab Sample ID: 500-231934-14

Date Collected: 04/07/23 15:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 80.4

Method: SW846 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	✱	04/20/23 07:08	04/20/23 17:47	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✱	04/20/23 07:08	04/20/23 17:47	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-1(0-5)-040723

Lab Sample ID: 500-231934-14

Date Collected: 04/07/23 15:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 80.4

Method: SW846 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	☼	04/20/23 07:08	04/20/23 17:47	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/20/23 07:08	04/20/23 17:47	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/20/23 07:08	04/20/23 17:47	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/20/23 07:08	04/20/23 17:47	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/20/23 07:08	04/20/23 17:47	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/20/23 07:08	04/20/23 17:47	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	04/20/23 07:08	04/20/23 17:47	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	04/20/23 07:08	04/20/23 17:47	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/20/23 07:08	04/20/23 17:47	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	04/20/23 07:08	04/20/23 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	68		31 - 143				04/20/23 07:08	04/20/23 17:47	1
2-Fluorobiphenyl (Surr)	74		43 - 145				04/20/23 07:08	04/20/23 17:47	1
2-Fluorophenol (Surr)	80		31 - 166				04/20/23 07:08	04/20/23 17:47	1
Nitrobenzene-d5 (Surr)	78		37 - 147				04/20/23 07:08	04/20/23 17:47	1
Phenol-d5 (Surr)	89		30 - 153				04/20/23 07:08	04/20/23 17:47	1
Terphenyl-d14 (Surr)	99		42 - 157				04/20/23 07:08	04/20/23 17:47	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 16:53	04/13/23 13:27	1
Barium	0.75		0.50	0.050	mg/L		04/12/23 16:53	04/13/23 13:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:53	04/13/23 13:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:53	04/13/23 13:27	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:27	1
Cobalt	0.011	J	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:27	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:27	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:53	04/13/23 13:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:53	04/13/23 13:27	1
Manganese	6.7	B	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:27	1
Nickel	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:27	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:53	04/13/23 13:27	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:27	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 16:53	04/13/23 13:27	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/12/23 16:54	04/13/23 23:04	1
Barium	0.13	J	0.50	0.050	mg/L		04/12/23 16:54	04/13/23 23:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 23:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 23:04	1
Chromium	0.027		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:04	1
Cobalt	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:04	1
Copper	0.022	J	0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:04	1
Iron	23		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 23:04	1
Lead	0.013		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 23:04	1
Manganese	0.22		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:04	1
Nickel	0.022	J	0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:04	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 23:04	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-1(0-5)-040723

Lab Sample ID: 500-231934-14

Date Collected: 04/07/23 15:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 80.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:04	1
Zinc	0.061	J B	0.50	0.020	mg/L		04/12/23 16:54	04/13/23 23:04	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000	B	12	4.8	mg/Kg	☆	04/13/23 09:36	04/17/23 20:46	1
Antimony	0.26	J	1.2	0.23	mg/Kg	☆	04/13/23 09:36	04/17/23 20:46	1
Arsenic	7.4		0.59	0.20	mg/Kg	☆	04/13/23 09:36	04/17/23 20:46	1
Barium	88		0.59	0.067	mg/Kg	☆	04/13/23 09:36	04/17/23 20:46	1
Beryllium	0.94		0.24	0.055	mg/Kg	☆	04/13/23 09:36	04/14/23 21:45	1
Cadmium	0.26	B	0.12	0.021	mg/Kg	☆	04/13/23 09:36	04/17/23 20:46	1
Calcium	54000	B	59	10	mg/Kg	☆	04/13/23 09:36	04/18/23 15:14	5
Chromium	18		0.59	0.29	mg/Kg	☆	04/13/23 09:36	04/17/23 20:46	1
Cobalt	13		0.30	0.077	mg/Kg	☆	04/13/23 09:36	04/17/23 20:46	1
Copper	20	B	0.59	0.17	mg/Kg	☆	04/13/23 09:36	04/17/23 20:46	1
Iron	21000	B	12	6.2	mg/Kg	☆	04/13/23 09:36	04/17/23 20:46	1
Lead	15		0.30	0.14	mg/Kg	☆	04/13/23 09:36	04/14/23 21:45	1
Magnesium	19000	B	5.9	2.9	mg/Kg	☆	04/13/23 09:36	04/14/23 21:45	1
Manganese	620	B	0.59	0.086	mg/Kg	☆	04/13/23 09:36	04/14/23 21:45	1
Nickel	34		0.59	0.17	mg/Kg	☆	04/13/23 09:36	04/14/23 21:45	1
Potassium	2500		30	10	mg/Kg	☆	04/13/23 09:36	04/17/23 20:46	1
Selenium	<0.59		0.59	0.35	mg/Kg	☆	04/13/23 09:36	04/17/23 20:46	1
Silver	0.43		0.30	0.076	mg/Kg	☆	04/13/23 09:36	04/17/23 20:46	1
Sodium	630		59	8.8	mg/Kg	☆	04/13/23 09:36	04/17/23 20:46	1
Thallium	<0.59		0.59	0.30	mg/Kg	☆	04/13/23 09:36	04/14/23 21:45	1
Vanadium	29		0.30	0.070	mg/Kg	☆	04/13/23 09:36	04/14/23 21:45	1
Zinc	66		1.2	0.52	mg/Kg	☆	04/13/23 09:36	04/17/23 20:46	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 11:36	1

Method: SW846 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		04/13/23 11:45	04/14/23 09:43	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.019	0.010	mg/Kg	☆	04/12/23 17:00	04/13/23 07:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.2	0.2	SU			04/11/23 21:22	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-1(0-5)-040723D

Lab Sample ID: 500-231934-15

Date Collected: 04/07/23 15:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 81.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.019		0.015	0.0065	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Carbon disulfide	<0.0037		0.0037	0.00078	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Ethylbenzene	<0.0015		0.0015	0.00071	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0017	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☆	04/08/23 12:30	04/18/23 03:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		75 - 131	04/08/23 12:30	04/18/23 03:01	1
Dibromofluoromethane (Surr)	103		75 - 126	04/08/23 12:30	04/18/23 03:01	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	04/08/23 12:30	04/18/23 03:01	1
Toluene-d8 (Surr)	110		75 - 124	04/08/23 12:30	04/18/23 03:01	1

Method: SW846 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	☆	04/20/23 07:08	04/20/23 16:57	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☆	04/20/23 07:08	04/20/23 16:57	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☆	04/20/23 07:08	04/20/23 16:57	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☆	04/20/23 07:08	04/20/23 16:57	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☆	04/20/23 07:08	04/20/23 16:57	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-1(0-5)-040723D

Lab Sample ID: 500-231934-15

Date Collected: 04/07/23 15:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 81.3

Method: SW846 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	☼	04/20/23 07:08	04/20/23 16:57	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Dibenzofuran	<0.20		0.20	0.045	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-1(0-5)-040723D

Lab Sample ID: 500-231934-15

Date Collected: 04/07/23 15:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 81.3

Method: SW846 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	☼	04/20/23 07:08	04/20/23 16:57	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	04/20/23 07:08	04/20/23 16:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	66		31 - 143				04/20/23 07:08	04/20/23 16:57	1
2-Fluorobiphenyl (Surr)	81		43 - 145				04/20/23 07:08	04/20/23 16:57	1
2-Fluorophenol (Surr)	81		31 - 166				04/20/23 07:08	04/20/23 16:57	1
Nitrobenzene-d5 (Surr)	88		37 - 147				04/20/23 07:08	04/20/23 16:57	1
Phenol-d5 (Surr)	88		30 - 153				04/20/23 07:08	04/20/23 16:57	1
Terphenyl-d14 (Surr)	105		42 - 157				04/20/23 07:08	04/20/23 16:57	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J B	0.050	0.010	mg/L		04/12/23 16:53	04/13/23 13:30	1
Barium	0.86		0.50	0.050	mg/L		04/12/23 16:53	04/13/23 13:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:53	04/13/23 13:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:53	04/13/23 13:30	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:30	1
Cobalt	0.015	J	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:30	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:30	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:53	04/13/23 13:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:53	04/13/23 13:30	1
Manganese	6.4	B	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:30	1
Nickel	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:30	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:53	04/13/23 13:30	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:30	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 16:53	04/13/23 13:30	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012	J	0.050	0.010	mg/L		04/12/23 16:54	04/13/23 23:07	1
Barium	0.18	J	0.50	0.050	mg/L		04/12/23 16:54	04/13/23 23:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 23:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 23:07	1
Chromium	0.041		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:07	1
Cobalt	0.012	J	0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:07	1
Copper	0.031		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:07	1
Iron	36		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 23:07	1
Lead	0.021		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 23:07	1
Manganese	0.38		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:07	1
Nickel	0.036		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:07	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 23:07	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-1(0-5)-040723D

Lab Sample ID: 500-231934-15

Date Collected: 04/07/23 15:25

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 81.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:07	1
Zinc	0.077	J B	0.50	0.020	mg/L		04/12/23 16:54	04/13/23 23:07	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16000	B	11	4.6	mg/Kg	☆	04/13/23 09:36	04/17/23 20:49	1
Antimony	0.22	J	1.1	0.22	mg/Kg	☆	04/13/23 09:36	04/17/23 20:49	1
Arsenic	9.2		0.56	0.19	mg/Kg	☆	04/13/23 09:36	04/17/23 20:49	1
Barium	99		0.56	0.064	mg/Kg	☆	04/13/23 09:36	04/17/23 20:49	1
Beryllium	1.1		0.22	0.052	mg/Kg	☆	04/13/23 09:36	04/14/23 21:48	1
Cadmium	0.21	B	0.11	0.020	mg/Kg	☆	04/13/23 09:36	04/17/23 20:49	1
Calcium	19000	B	11	1.9	mg/Kg	☆	04/13/23 09:36	04/17/23 20:49	1
Chromium	18		0.56	0.28	mg/Kg	☆	04/13/23 09:36	04/17/23 20:49	1
Cobalt	13		0.28	0.073	mg/Kg	☆	04/13/23 09:36	04/17/23 20:49	1
Copper	19	B	0.56	0.16	mg/Kg	☆	04/13/23 09:36	04/17/23 20:49	1
Iron	22000	B	11	5.8	mg/Kg	☆	04/13/23 09:36	04/17/23 20:49	1
Lead	18		0.28	0.13	mg/Kg	☆	04/13/23 09:36	04/14/23 21:48	1
Magnesium	11000	B	5.6	2.8	mg/Kg	☆	04/13/23 09:36	04/14/23 21:48	1
Manganese	360	B	0.56	0.081	mg/Kg	☆	04/13/23 09:36	04/14/23 21:48	1
Nickel	34		0.56	0.16	mg/Kg	☆	04/13/23 09:36	04/14/23 21:48	1
Potassium	1900		28	9.9	mg/Kg	☆	04/13/23 09:36	04/17/23 20:49	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	04/13/23 09:36	04/17/23 20:49	1
Silver	0.57		0.28	0.072	mg/Kg	☆	04/13/23 09:36	04/17/23 20:49	1
Sodium	690		56	8.3	mg/Kg	☆	04/13/23 09:36	04/17/23 20:49	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	04/13/23 09:36	04/14/23 21:48	1
Vanadium	34		0.28	0.066	mg/Kg	☆	04/13/23 09:36	04/14/23 21:48	1
Zinc	65		1.1	0.49	mg/Kg	☆	04/13/23 09:36	04/17/23 20:49	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 11:38	1

Method: SW846 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		04/13/23 11:45	04/14/23 09:45	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.019	0.010	mg/Kg	☆	04/12/23 17:00	04/13/23 07:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			04/11/23 21:24	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-1(5-10)-040723

Lab Sample ID: 500-231934-16

Date Collected: 04/07/23 15:30

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 79.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.015	J	0.016	0.0069	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Methylene Chloride	<0.0039		0.0039	0.0016	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Methyl Ethyl Ketone	0.0020	J	0.0039	0.0018	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	✳	04/08/23 12:30	04/18/23 03:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	04/08/23 12:30	04/18/23 03:25	1
Dibromofluoromethane (Surr)	102		75 - 126	04/08/23 12:30	04/18/23 03:25	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	04/08/23 12:30	04/18/23 03:25	1
Toluene-d8 (Surr)	109		75 - 124	04/08/23 12:30	04/18/23 03:25	1

Method: SW846 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	✳	04/20/23 07:08	04/20/23 19:51	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-1(5-10)-040723

Lab Sample ID: 500-231934-16

Date Collected: 04/07/23 15:30

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 79.2

Method: SW846 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	✳	04/20/23 07:08	04/20/23 19:51	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
2-Methylnaphthalene	<0.083		0.083	0.0076	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Anthracene	<0.041		0.041	0.0069	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Benzo[a]pyrene	<0.041		0.041	0.0080	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Benzo[b]fluoranthene	<0.041		0.041	0.0089	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Carbazole	<0.21		0.21	0.10	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Chrysene	<0.041		0.041	0.011	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Fluoranthene	0.0076	J	0.041	0.0076	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	✳	04/20/23 07:08	04/20/23 19:51	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-1(5-10)-040723

Lab Sample ID: 500-231934-16

Date Collected: 04/07/23 15:30

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 79.2

Method: SW846 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	☼	04/20/23 07:08	04/20/23 19:51	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	04/20/23 07:08	04/20/23 19:51	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	04/20/23 07:08	04/20/23 19:51	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	04/20/23 07:08	04/20/23 19:51	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	04/20/23 07:08	04/20/23 19:51	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	04/20/23 07:08	04/20/23 19:51	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	04/20/23 07:08	04/20/23 19:51	1
Phenanthrene	<0.041		0.041	0.0057	mg/Kg	☼	04/20/23 07:08	04/20/23 19:51	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	04/20/23 07:08	04/20/23 19:51	1
Pyrene	0.0091	J	0.041	0.0082	mg/Kg	☼	04/20/23 07:08	04/20/23 19:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	72		31 - 143	04/20/23 07:08	04/20/23 19:51	1
2-Fluorobiphenyl (Surr)	73		43 - 145	04/20/23 07:08	04/20/23 19:51	1
2-Fluorophenol (Surr)	81		31 - 166	04/20/23 07:08	04/20/23 19:51	1
Nitrobenzene-d5 (Surr)	87		37 - 147	04/20/23 07:08	04/20/23 19:51	1
Phenol-d5 (Surr)	89		30 - 153	04/20/23 07:08	04/20/23 19:51	1
Terphenyl-d14 (Surr)	109		42 - 157	04/20/23 07:08	04/20/23 19:51	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.014	J B	0.050	0.010	mg/L		04/12/23 16:53	04/13/23 13:33	1
Barium	0.91		0.50	0.050	mg/L		04/12/23 16:53	04/13/23 13:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:53	04/13/23 13:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:53	04/13/23 13:33	1
Chromium	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:33	1
Cobalt	0.020	J	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:33	1
Copper	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:33	1
Iron	<0.40		0.40	0.20	mg/L		04/12/23 16:53	04/13/23 13:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/12/23 16:53	04/13/23 13:33	1
Manganese	6.5	B	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:33	1
Nickel	0.012	J	0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:33	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:53	04/13/23 13:33	1
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:53	04/13/23 13:33	1
Zinc	<0.50		0.50	0.020	mg/L		04/12/23 16:53	04/13/23 13:33	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.020	J	0.050	0.010	mg/L		04/12/23 16:54	04/13/23 23:10	1
Barium	0.36	J	0.50	0.050	mg/L		04/12/23 16:54	04/13/23 23:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/12/23 16:54	04/13/23 23:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/12/23 16:54	04/13/23 23:10	1
Chromium	0.075		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:10	1
Cobalt	0.028		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:10	1
Copper	0.058		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:10	1
Iron	68		0.40	0.20	mg/L		04/12/23 16:54	04/13/23 23:10	1
Lead	0.049		0.0075	0.0075	mg/L		04/12/23 16:54	04/13/23 23:10	1
Manganese	0.90	F1	0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:10	1
Nickel	0.070		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:10	1
Selenium	<0.050		0.050	0.020	mg/L		04/12/23 16:54	04/13/23 23:10	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Client Sample ID: DB-1(5-10)-040723

Lab Sample ID: 500-231934-16

Date Collected: 04/07/23 15:30

Matrix: Solid

Date Received: 04/07/23 16:57

Percent Solids: 79.2

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/12/23 16:54	04/13/23 23:10	1
Zinc	0.16	J B	0.50	0.020	mg/L		04/12/23 16:54	04/13/23 23:10	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000	B	12	4.8	mg/Kg	☆	04/13/23 09:36	04/17/23 20:52	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	04/13/23 09:36	04/17/23 20:52	1
Arsenic	6.8		0.58	0.20	mg/Kg	☆	04/13/23 09:36	04/17/23 20:52	1
Barium	110		0.58	0.066	mg/Kg	☆	04/13/23 09:36	04/17/23 20:52	1
Beryllium	0.92		0.23	0.054	mg/Kg	☆	04/13/23 09:36	04/14/23 21:52	1
Cadmium	0.22	B	0.12	0.021	mg/Kg	☆	04/13/23 09:36	04/17/23 20:52	1
Calcium	34000	B	12	2.0	mg/Kg	☆	04/13/23 09:36	04/17/23 20:52	1
Chromium	16		0.58	0.29	mg/Kg	☆	04/13/23 09:36	04/17/23 20:52	1
Cobalt	11		0.29	0.076	mg/Kg	☆	04/13/23 09:36	04/17/23 20:52	1
Copper	18	B	0.58	0.16	mg/Kg	☆	04/13/23 09:36	04/17/23 20:52	1
Iron	19000	B	12	6.1	mg/Kg	☆	04/13/23 09:36	04/17/23 20:52	1
Lead	18		0.29	0.13	mg/Kg	☆	04/13/23 09:36	04/14/23 21:52	1
Magnesium	18000	B	5.8	2.9	mg/Kg	☆	04/13/23 09:36	04/14/23 21:52	1
Manganese	490	B	0.58	0.084	mg/Kg	☆	04/13/23 09:36	04/14/23 21:52	1
Nickel	29		0.58	0.17	mg/Kg	☆	04/13/23 09:36	04/14/23 21:52	1
Potassium	2100		29	10	mg/Kg	☆	04/13/23 09:36	04/17/23 20:52	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/13/23 09:36	04/17/23 20:52	1
Silver	0.43		0.29	0.075	mg/Kg	☆	04/13/23 09:36	04/17/23 20:52	1
Sodium	570		58	8.6	mg/Kg	☆	04/13/23 09:36	04/17/23 20:52	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	04/13/23 09:36	04/14/23 21:52	1
Vanadium	30		0.29	0.069	mg/Kg	☆	04/13/23 09:36	04/14/23 21:52	1
Zinc	60		1.2	0.51	mg/Kg	☆	04/13/23 09:36	04/17/23 20:52	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/13/23 11:45	04/14/23 11:40	1

Method: SW846 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		04/13/23 11:45	04/14/23 09:47	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.020	0.011	mg/Kg	☆	04/12/23 17:00	04/13/23 07:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			04/11/23 21:27	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

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
*3	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.

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 exceeds control 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231934-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record

538481




Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact Company Name <i>Western Solutions</i> Address <i>300 Knightsbridge Pkwy</i> City/State/Zip <i>Lynchburg, IL</i> Phone _____ Fax _____ Project Name <i>IDOT 051</i> Site <i>I-80</i> P O # _____		Project Manager <i>A Slesers</i> Tel/Email: _____		Site Contact <i>C. Perce</i> Lab Contact <i>R Wright</i>		Date <i>4-7-23</i> Carrier _____		COC No 3 of 4 COCs Sampler _____ For Lab Use Only: Walk-in Client _____ Lab Sampling _____ Job / SDG No <i>500-231934</i>	
Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Sample Type (C=Comp, G=Grab) _____ Matrix _____ # of Cont. _____		Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ <i>VOCS</i> <i>SUOCs</i> <i>Total Metals</i> <i>TCUP / SPAP methods</i> <i>pH</i>		 500-231934 COC		Sample Specific Notes	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes
1	ROW-32(0-5)-040723	4-7-23	1225	G	S	6			
2	ROW-33(0-5)-040723		1240						
3	ROW-34(0-5)-040723		1255						
4	ROW-34(5-10)-040723		1300						
5	ROW-35(0-5)-040723		1310						
6	ROW-35(5-10)-040723		1315						
7	ROW-35(5-10)-040723D		1315						
8	ROW-35(10-15)-040723		1320						
9	ROW-36(0-5)-040723		1335						
10	DB-2(0-5)-040723		1440						
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments: <p style="text-align: right;"><i>5.4 → 4.3, 5.3 → 4.2, 4.1 → 3.0</i></p>									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____			
Relinquished by <i>[Signature]</i> Company <i>WS</i>		Date/Time <i>4-7-23/1110</i>		Received by <i>[Signature]</i> Company <i>ETA</i>		Date/Time <i>4-7-23 1610</i>			
Relinquished by <i>Daryl Henderson</i> Company <i>ETA</i>		Date/Time <i>4/7/23/1457</i>		Received by <i>[Signature]</i> Company <i>ETA</i>		Date/Time <i>4/7/23 1657</i>			

Chain of Custody Record 640949



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>A. Slosser</u>		Site Contact: <u>e. Ryan</u>		Date: <u>4-7-23</u>		COC No	
Company Name <u>Weston Solutions</u>		Tel/Email:		Lab Contact: <u>R. Wyant</u>		Carrier:		<u>4</u> of <u>4</u> COCs	
Address <u>300 Kuyuk Bridge Pkwy</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____		Filtered Sample (Y/N) Perform MS/MSD (Y/N)		VOCs SVOCs Total Metals TCAP/SALP metals pH		Sampler:	
City/State/Zip <u>Lincolnshire, IL</u>								For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>	
Phone _____		<input type="checkbox"/> 2 weeks						Job / SDG No	
Fax _____		<input type="checkbox"/> 1 week						<u>500-231934</u>	
Project Name <u>100T 051</u>		<input type="checkbox"/> 2 days							
Site <u>R-80</u>		<input type="checkbox"/> 1 day							
P O # _____								Sample Specific Notes	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.			
<u>DB-2 (5-10) -040723</u>		<u>4-7-23</u>	<u>1445</u>	<u>G</u>	<u>S</u>	<u>6</u>		<u>X</u>	<u>X</u>
<u>DB-3 (0-5) -040723</u>			<u>1500</u>						
<u>DB-3 (5-10) -040723</u>			<u>1505</u>						
<u>DB-1 (0-5) -040723</u>			<u>1525</u>						
<u>DB-1 (0-5) -040723D</u>			<u>1525</u>						
<u>DB-1 (5-10) -040723</u>			<u>1530</u>						
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments:									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp. (°C). Obs'd _____		Corr'd _____		Therm ID No _____	
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>4-7-23/1610</u>		Received by: <u>[Signature]</u>		Company: <u>ETA</u> Date/Time: <u>4-7-23 1610</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>ETA</u>		Date/Time: <u>4/7/23/1657</u>		Received by: <u>[Signature]</u>		Company: <u>ETA</u> Date/Time: <u>4/7/23 1657</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>ETA</u>		Date/Time: <u>4/7/23/1657</u>		Received in Laboratory by: <u>[Signature]</u>		Company: <u>ETA</u> Date/Time: <u>4/7/23 1657</u>	



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 80 (I-80) - e/o River Rd to w/o Houbolt Rd Office Phone Number, if available: _____

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

DuPage River, approx M.M. 125.6 (ISGS Site 2233V3-48)

City: Unincorporated State: IL Zip Code: _____

County: Will Township: Troy

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

Latitude: 41.48583 Longitude: - 88.21183
(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.): 5,670

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 DR-1 THROUGH DR-6 WERE SAMPLED ALONG ISGS SITE 2233V3-48. SEE FIGURE 3-2, AND TABLE 4-1 OF THE 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]:

EUROFINS ANALYTICAL REPORTS - JOB ID: 500-231021-1, 500-231293-1, AND 500-232288-1. ALSO SEE FIGURE 4-2 OF THE PRELIMINARY SITE INVESTIGATION REPORT.

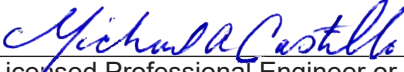
IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Michael A. Castillo, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

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

Company Name: Weston Solutions, Inc.
Street Address: 300 Knightsbridge Parkway; Suite 360
City: Lincolnshire State: IL Zip Code: 60069
Phone: (224) 864-7200

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


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

7 June 2023
Date:



Summary Table - DuPage River (ISGS Site No. 2233V3-48)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location	Reference Concentrations (MAC Table)	DR-1	DR-1	DR-2	DR-2	DR-3	DR-3	DR-4	DR-5	DR-5	DR-5	DR-6	DR-6
		DR-1(0-5)-041523	DR-1(5-10)-041523	DR-2(0-5)-032023	DR-2(5-10)-032023	DR-3(0-5)-032723	DR-3(5-10)-032723	DR-4(0-5)-041523	DR-5(0-5)-032023	DR-5(5-10)-032023	DR-5(5-10)-032023D	DR-5(5-10)-032023D	DR-6(0-5)-032723
Field Sample ID													
Sample Date		4/15/2023	4/15/2023	3/20/2023	3/20/2023	3/27/2023	3/27/2023	4/15/2023	3/20/2023	3/20/2023	3/20/2023	3/27/2023	3/27/2023
ISGS Site No		2233V3-48	2233V3-48	2233V3-48	2233V3-48	2233V3-48	2233V3-48	2233V3-48	2233V3-48	2233V3-48	2233V3-48	2233V3-48	2233V3-48
Laboratory pH	<6.25, >9.0	7.8	7.3	8.4	7.6	7.5	7.5	8.3	7.9	7.8	8.0	7.6	7.5
VOCs (mg/kg)													
Acetone	25	ND	0.035	ND	0.015 J	0.014 J	0.017	0.011 J	ND	0.01 J	0.036	0.0096 J	ND
Methyl ethyl ketone	---	ND	0.0038 J	ND	ND	ND	ND	ND	ND	ND	0.009	ND	ND
SVOCs (mg/kg)													
Acenaphthene	570	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.078
Anthracene	12000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.046
Benzo(a)anthracene	0.9 / 11 / 1.8	0.015 J	ND	ND	ND	0.02 J	0.014 J	ND	0.012 J	ND	ND	ND	0.37
Benzo(a)pyrene	0.09 / 11 / 2.1	0.0086 J	ND	ND	ND	ND	0.045	ND	0.016 J	ND	ND	ND	0.59
Benzo(b)fluoranthene	0.9 / 13 / 2.1	0.012 J	ND	ND	ND	0.041	0.042	ND	0.025 J	ND	ND	ND	0.63
Benzo(g,h,i)perylene	---	0.018 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.54
Benzo(k)fluoranthene	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	0.14 J	0.15 J	ND	ND	ND	ND	ND	0.15 J
Chrysene	88	ND	ND	ND	ND	0.012 J	ND	ND	0.017 J	ND	ND	ND	0.45
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14
Di-N-Octyl phthalate	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2
Fluoranthene	3100	0.0082 J	ND	ND	ND	0.045	0.016 J	ND	0.019 J	ND	ND	ND	0.55
Fluorene	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.024 J
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	ND	ND	ND	ND	ND	0.027 J	ND	0.01 J	ND	ND	ND	0.69
Phenanthrene	---	0.013 J	ND	ND	0.0067 J	0.0095 J	0.013 J	ND	0.01 J	ND	ND	ND	0.23
Pyrene	2300	0.014 J	ND	ND	ND	0.041	0.017 J	ND	0.016 J	ND	ND	ND	0.58
Total Metals (mg/kg)													
Aluminum, Total	---	10000	9500	13000	11000	12000	8200	2900	9700	6300	5400	7400	13000
Antimony, Total	5	ND	0.62 J	0.36 J	ND	0.43 J	0.49 J	0.31 J	0.23 J	ND	0.26 J	0.28 J	0.72 J
Arsenic, Total	11.3 / 13	4.5	9.6	8.5	9.1	6.8	7.5	4.5	9.4	7.8	7.1	5.4	8.7
Barium, Total	1500	41 B	49 B	72	130	51	47	9.5 B	58	41	25	64	64
Beryllium, Total	22	0.74 J	0.72 J	0.82	0.72	0.91	0.69	0.32 J	0.65	0.49	0.42	0.57	0.96
Cadmium, Total	5.2	0.14 J	0.22 J	0.28 J	0.2 J	0.17	0.2	0.22 J	0.32 J	0.39 B	0.24 J	0.25	0.18
Calcium, Total	---	80000 B	68000 B	31000 B	26000 B	52000	90000	150000 B	46000 B	79000 B	55000 B	92000	58000
Chromium, Total	21	16	13	17	14	17	12	5.2	14	9.4	8.2	10	18
Cobalt, Total	20	13	13	12	13	16	10	4.8	12	8.8	7.2	8.7	13
Copper, Total	2900	22	24	19	22	24	16	14	22	20	16	14	22
Iron, Total	15000 / 15900	17000	19000	20000	20000	20000	21000	11000	19000	19000	12000	13000	24000
Lead, Total	107	21	16	16	17	16	16	7.5	29	15	11	15	16
Magnesium, Total	325000	32000 B	31000 B	17000 B	18000 B	28000	39000	87000 B	21000 B	48000 B	29000 B	27000	28000
Manganese, Total	630 / 636	400 B	490 B	410	370	380	420	260 B	480	300	290	390	370
Mercury, Total	0.89	ND	0.02	0.015 J	0.03	0.024	0.025	ND	0.023	0.017	0.025	0.021	0.021
Nickel, Total	100	29	30	27	30	36	23	9.9	25	20	17	18	33
Potassium, Total	---	2300	1700	2100	1100	2600	2000	930	1500	1100	860	1300	2800
Selenium, Total	1.3	ND	0.35 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, Total	4.4	0.2 J	0.33	0.38	0.47	0.25 J	0.2 J	0.083 J	0.31	0.21 J	0.19 J	0.2 J	0.29
Sodium, Total	---	930	210	700	280	650	890	490	290	240	210	330	250
Thallium, Total	2.6	ND	ND	ND	ND	0.65	ND	ND	ND	ND	ND	ND	0.37 J
Vanadium, Total	550	20 B	21 B	25	24	20	17	8.6 B	22	16	13	16	24
Zinc, Total	5100	68	55	60	58	53	58	33	67	70	49	48	60

Summary Table - DuPage River (ISGS Site No. 2233V3-48)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location Field Sample ID Sample Date ISGS Site No	Reference Concentrations (MAC Table)	DR-1	DR-1	DR-2	DR-2	DR-3	DR-3	DR-4	DR-5	DR-5	DR-5	DR-6	DR-6
		DR-1(0-5)-041523	DR-1(5-10)-041523	DR-2(0-5)-032023	DR-2(5-10)-032023	DR-3(0-5)-032723	DR-3(5-10)-032723	DR-4(0-5)-041523	DR-5(0-5)-032023	DR-5(5-10)-032023	DR-5(5-10)-032023D	DR-6(0-5)-032723	DR-6(5-10)-032723
		4/15/2023	4/15/2023	3/20/2023	3/20/2023	3/27/2023	3/27/2023	4/15/2023	3/20/2023	3/20/2023	3/20/2023	3/27/2023	3/27/2023
		2233V3-48	2233V3-48	2233V3-48	2233V3-48	2233V3-48	2233V3-48	2233V3-48	2233V3-48	2233V3-48	2233V3-48	2233V3-48	2233V3-48
TCLP Metals (mg/l)													
Arsenic, TCLP	0.05	ND	ND	ND	ND	ND	0.013 J	ND	ND	ND	ND	ND	ND
Barium, TCLP	2	0.65	0.56	0.18 J	0.33 J	0.51	0.56	0.096 J	0.32 J	0.35 J	0.35 J	0.37 J	0.41 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	0.0021 J	ND	ND	ND	ND	ND	ND	0.0024 J	ND	0.0032 J
Chromium, TCLP	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, TCLP	1	0.057	0.017 J	0.016 J	ND	ND	0.021 J	0.031	ND	0.032	0.045	0.016 J	0.072
Copper, TCLP	0.65	0.012 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron, TCLP	5	0.22 J	ND	0.22 J	ND	ND	ND	ND	ND	ND	0.21 J	0.2 J	1
Lead, TCLP	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	5.9	6.8	1.6	1.8	2.6	2.9	2.1	0.053	3.3	3.9	3.9	9.5 B
Mercury, TCLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	0.033	0.014 J	0.02 J	0.02 J	0.011 J	0.029	0.023 J	ND	0.033	0.043	0.019 J	0.06
Selenium, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, TCLP	5	0.052 J	ND	ND	ND	ND	ND	ND	ND	0.024 J	0.039 J	ND	ND
SPLP Metals (mg/l)													
Arsenic, SPLP	0.05	0.046 J	0.053	0.028 J	0.047 J	0.013 J	ND	0.037 J	0.059	0.027 J	0.013 J	0.09	0.038 J
Barium, SPLP	2	0.79	0.32 J	0.087 J	0.3 J	0.27 J	0.07 J	0.082 J	0.44 J	0.14 J	0.1 J	0.34 J	0.29 J
Beryllium, SPLP	0.004	0.0094	0.0051	ND	0.0041	ND	ND	ND	0.0062	ND	ND	0.0079	0.0048
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.19	0.09	0.042	0.084	0.066	0.014 J	0.047	0.12	0.047	0.037	0.13	0.09
Cobalt, SPLP	1	0.099	0.058	0.017 J	0.034	0.029	ND	0.034	0.033	0.024 J	0.011 J	0.093	0.046
Copper, SPLP	0.65	0.19	0.13	0.084	0.13	0.055	0.011 J	0.092	0.14	0.077	0.048	0.23	0.11
Iron, SPLP	5	160	110	58	100	52	10	63	130	59 J	34 J	180	97
Lead, SPLP	0.0075	0.095	0.056	0.024	0.049	0.031	ND	0.026	0.064	0.032	0.02	0.1	0.052
Manganese, SPLP	0.15	1.9	1.1	0.25	0.68	0.6	0.1	0.57	0.78	0.31	0.2	1.5	0.87
Mercury, SPLP	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.24	0.14	0.056	0.1	0.072	ND	0.076	0.11	0.059	0.031	0.22	0.11
Selenium, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.43 J	0.27 J	0.22 J	0.31 J	0.11 J	0.025 J	0.27 J	0.38 J	0.15 J	0.097 J	0.46 J	0.22 J

Notes and Abbreviations:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

 Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 3/31/2023 8:47:17 AM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231021-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231021-1	M-1(0-5)-032023	Solid	03/20/23 21:00	03/21/23 15:00
500-231021-2	M-1(5-10)-032023	Solid	03/20/23 21:05	03/21/23 15:00
500-231021-3	M-2(0-5)-032023	Solid	03/20/23 21:50	03/21/23 15:00
500-231021-4	M-2(5-10)-032023	Solid	03/20/23 21:55	03/21/23 15:00
500-231021-5	M-2(10-15)-032023	Solid	03/20/23 22:00	03/21/23 15:00
500-231021-6	DR-2(0-5)-032023	Solid	03/20/23 22:15	03/21/23 15:00
500-231021-7	DR-2(5-10)-032023	Solid	03/20/23 22:20	03/21/23 15:00
500-231021-8	DR-5(0-5)-032023	Solid	03/20/23 22:40	03/21/23 15:00
500-231021-9	DR-5(5-10)-032023	Solid	03/20/23 22:45	03/21/23 15:00
500-231021-10	DR-5(5-10)-032023D	Solid	03/20/23 22:45	03/21/23 15:00
500-231021-11	M-3(0-5)-032023	Solid	03/20/23 23:05	03/21/23 15:00
500-231021-12	M-4(0-5)-032023	Solid	03/20/23 23:35	03/21/23 15:00
500-231021-13	M-4(5-10)-032023	Solid	03/20/23 23:40	03/21/23 15:00
500-231021-14	M-5(0-5)-032123	Solid	03/21/23 00:00	03/21/23 15:00
500-231021-15	M-5(5-10)-032123	Solid	03/21/23 00:05	03/21/23 15:00
500-231021-16	M-6(0-5)-032123	Solid	03/21/23 00:40	03/21/23 15:00
500-231021-17	M-6(5-10)-032123	Solid	03/21/23 00:45	03/21/23 15:00
500-231021-18	M-6(10-15)-032123	Solid	03/21/23 00:50	03/21/23 15:00
500-231021-19	M-7(0-5)-032123	Solid	03/21/23 01:10	03/21/23 15:00
500-231021-20	M-7(5-10)-032123	Solid	03/21/23 01:15	03/21/23 15:00

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-2(0-5)-032023

Lab Sample ID: 500-231021-6

Date Collected: 03/20/23 22:15

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 81.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0085	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Benzene	<0.0020		0.0020	0.00050	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Bromoform	<0.0020		0.0020	0.00057	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Bromomethane	<0.0049		0.0049	0.0018	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Carbon disulfide	<0.0049		0.0049	0.0010	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Carbon tetrachloride	<0.0020		0.0020	0.00057	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Chlorobenzene	<0.0020		0.0020	0.00072	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Chloroethane	<0.0049		0.0049	0.0014	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Chloroform	<0.0020		0.0020	0.00068	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Chloromethane	<0.0049		0.0049	0.0020	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00059	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Dibromochloromethane	<0.0020		0.0020	0.00064	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
1,1-Dichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
1,1-Dichloroethene	<0.0020		0.0020	0.00067	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00069	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Ethylbenzene	<0.0020		0.0020	0.00093	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Methylene Chloride	<0.0049		0.0049	0.0019	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Methyl Ethyl Ketone	<0.0049		0.0049	0.0022	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
methyl isobutyl ketone	<0.0049	*1	0.0049	0.0014	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00057	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Styrene	<0.0020		0.0020	0.00059	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00062	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Tetrachloroethene	<0.0020		0.0020	0.00067	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Toluene	<0.0020		0.0020	0.00049	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00087	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00069	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00066	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00084	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Trichloroethene	<0.0020		0.0020	0.00066	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Vinyl chloride	<0.0020		0.0020	0.00086	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1
Xylenes, Total	<0.0039		0.0039	0.00063	mg/Kg	☆	03/21/23 17:18	03/23/23 17:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	03/21/23 17:18	03/23/23 17:11	1
Dibromofluoromethane (Surr)	112		75 - 126	03/21/23 17:18	03/23/23 17:11	1
1,2-Dichloroethane-d4 (Surr)	115		70 - 134	03/21/23 17:18	03/23/23 17:11	1
Toluene-d8 (Surr)	106		75 - 124	03/21/23 17:18	03/23/23 17:11	1

Method: SW846 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	☆	03/28/23 13:22	03/29/23 14:55	1
1,2-Dichlorobenzene	<0.20		0.20	0.049	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-2(0-5)-032023

Lab Sample ID: 500-231021-6

Date Collected: 03/20/23 22:15

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 81.4

Method: SW846 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	☆	03/28/23 13:22	03/29/23 14:55	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
2,4-Dichlorophenol	<0.40		0.40	0.097	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
2,4-Dinitrotoluene	<0.20		0.20	0.065	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
2-Chlorophenol	<0.20		0.20	0.070	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.048	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Benzo[a]anthracene	<0.040		0.040	0.0055	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Benzo[a]pyrene	<0.040		0.040	0.0079	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Benzo[b]fluoranthene	<0.040		0.040	0.0088	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.042	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Butyl benzyl phthalate	<0.20		0.20	0.078	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0079	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Di-n-octyl phthalate	<0.20		0.20	0.067	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Fluoranthene	<0.040		0.040	0.0076	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☆	03/28/23 13:22	03/29/23 14:55	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-2(0-5)-032023

Lab Sample ID: 500-231021-6

Date Collected: 03/20/23 22:15

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 81.4

Method: SW846 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	☼	03/28/23 13:22	03/29/23 14:55	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	03/28/23 13:22	03/29/23 14:55	1
Naphthalene	<0.040		0.040	0.0063	mg/Kg	☼	03/28/23 13:22	03/29/23 14:55	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	03/28/23 13:22	03/29/23 14:55	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	03/28/23 13:22	03/29/23 14:55	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	03/28/23 13:22	03/29/23 14:55	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	03/28/23 13:22	03/29/23 14:55	1
Phenanthrene	<0.040		0.040	0.0057	mg/Kg	☼	03/28/23 13:22	03/29/23 14:55	1
Phenol	<0.20		0.20	0.091	mg/Kg	☼	03/28/23 13:22	03/29/23 14:55	1
Pyrene	<0.040		0.040	0.0081	mg/Kg	☼	03/28/23 13:22	03/29/23 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	114		31 - 143	03/28/23 13:22	03/29/23 14:55	1
2-Fluorobiphenyl (Surr)	81		43 - 145	03/28/23 13:22	03/29/23 14:55	1
2-Fluorophenol (Surr)	91		31 - 166	03/28/23 13:22	03/29/23 14:55	1
Nitrobenzene-d5 (Surr)	63		37 - 147	03/28/23 13:22	03/29/23 14:55	1
Phenol-d5 (Surr)	74		30 - 153	03/28/23 13:22	03/29/23 14:55	1
Terphenyl-d14 (Surr)	104		42 - 157	03/28/23 13:22	03/29/23 14:55	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 15:25	1
Barium	0.18	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 15:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 15:25	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 15:25	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:25	1
Cobalt	0.016	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:25	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:25	1
Iron	0.22	J	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 15:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 15:25	1
Manganese	1.6		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:25	1
Nickel	0.020	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:25	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 15:25	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:25	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 15:25	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.028	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 19:06	1
Barium	0.087	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 19:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 19:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 19:06	1
Chromium	0.042		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:06	1
Cobalt	0.017	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:06	1
Copper	0.084		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:06	1
Iron	58		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 19:06	1
Lead	0.024		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 19:06	1
Manganese	0.25		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:06	1
Nickel	0.056		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:06	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 19:06	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-2(0-5)-032023

Lab Sample ID: 500-231021-6

Date Collected: 03/20/23 22:15

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 81.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:06	1
Zinc	0.22	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 19:06	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		12	4.8	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Antimony	0.36	J	1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Arsenic	8.5		0.59	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Barium	72		0.59	0.067	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Beryllium	0.82		0.23	0.055	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Cadmium	0.28	B	0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Calcium	31000	B	12	2.0	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Chromium	17		0.59	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Cobalt	12		0.29	0.077	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Copper	19		0.59	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Iron	20000		12	6.1	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Lead	16		0.29	0.14	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Magnesium	17000	B	5.9	2.9	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Manganese	410		0.59	0.085	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Nickel	27		0.59	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Potassium	2100		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Selenium	<0.59		0.59	0.35	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Silver	0.38		0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Sodium	700		59	8.7	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Thallium	<0.59		0.59	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Vanadium	25		0.29	0.069	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1
Zinc	60		1.2	0.52	mg/Kg	☆	03/24/23 14:24	03/28/23 14:39	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 12:02	1

Method: SW846 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		03/24/23 13:55	03/27/23 08:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.019	0.010	mg/Kg	☆	03/24/23 17:10	03/27/23 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4		0.2	0.2	SU			03/23/23 21:41	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-2(5-10)-032023

Lab Sample ID: 500-231021-7

Date Collected: 03/20/23 22:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 80.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.015	J	0.017	0.0075	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
methyl isobutyl ketone	<0.0043	*1	0.0043	0.0013	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Xylenes, Total	<0.0035		0.0035	0.00055	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		75 - 131	03/21/23 17:18	03/23/23 17:35	1
Dibromofluoromethane (Surr)	115		75 - 126	03/21/23 17:18	03/23/23 17:35	1
1,2-Dichloroethane-d4 (Surr)	117		70 - 134	03/21/23 17:18	03/23/23 17:35	1
Toluene-d8 (Surr)	101		75 - 124	03/21/23 17:18	03/23/23 17:35	1

Method: SW846 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	✳	03/28/23 13:22	03/29/23 15:19	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	03/28/23 13:22	03/29/23 15:19	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	✳	03/28/23 13:22	03/29/23 15:19	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	✳	03/28/23 13:22	03/29/23 15:19	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	✳	03/28/23 13:22	03/29/23 15:19	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-2(5-10)-032023

Lab Sample ID: 500-231021-7

Date Collected: 03/20/23 22:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 80.2

Method: SW846 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	☆	03/28/23 13:22	03/29/23 15:19	1
2,4,6-Trichlorophenol	<0.39		0.39	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
2,4-Dichlorophenol	<0.39		0.39	0.094	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
2-Nitrophenol	<0.39		0.39	0.094	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
4-Nitroaniline	<0.39		0.39	0.17	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Benzo[a]pyrene	<0.039		0.039	0.0077	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Carbazole	<0.20		0.20	0.099	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Fluoranthene	<0.039		0.039	0.0073	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Fluorene	<0.039		0.039	0.0056	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☆	03/28/23 13:22	03/29/23 15:19	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-2(5-10)-032023

Lab Sample ID: 500-231021-7

Date Collected: 03/20/23 22:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 80.2

Method: SW846 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	☼	03/28/23 13:22	03/29/23 15:19	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	03/28/23 13:22	03/29/23 15:19	1
Naphthalene	<0.039		0.039	0.0061	mg/Kg	☼	03/28/23 13:22	03/29/23 15:19	1
Nitrobenzene	<0.039		0.039	0.0099	mg/Kg	☼	03/28/23 13:22	03/29/23 15:19	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.048	mg/Kg	☼	03/28/23 13:22	03/29/23 15:19	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	03/28/23 13:22	03/29/23 15:19	1
Pentachlorophenol	<0.80		0.80	0.63	mg/Kg	☼	03/28/23 13:22	03/29/23 15:19	1
Phenanthrene	0.0067	J	0.039	0.0055	mg/Kg	☼	03/28/23 13:22	03/29/23 15:19	1
Phenol	<0.20		0.20	0.088	mg/Kg	☼	03/28/23 13:22	03/29/23 15:19	1
Pyrene	<0.039		0.039	0.0079	mg/Kg	☼	03/28/23 13:22	03/29/23 15:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	108		31 - 143	03/28/23 13:22	03/29/23 15:19	1
2-Fluorobiphenyl (Surr)	80		43 - 145	03/28/23 13:22	03/29/23 15:19	1
2-Fluorophenol (Surr)	97		31 - 166	03/28/23 13:22	03/29/23 15:19	1
Nitrobenzene-d5 (Surr)	63		37 - 147	03/28/23 13:22	03/29/23 15:19	1
Phenol-d5 (Surr)	82		30 - 153	03/28/23 13:22	03/29/23 15:19	1
Terphenyl-d14 (Surr)	96		42 - 157	03/28/23 13:22	03/29/23 15:19	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 15:29	1
Barium	0.33	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 15:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 15:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 15:29	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:29	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:29	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:29	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:46	03/27/23 15:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 15:29	1
Manganese	1.8		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:29	1
Nickel	0.020	J	0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:29	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 15:29	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:29	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 15:29	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.047	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 19:09	1
Barium	0.30	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 19:09	1
Beryllium	0.0041		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 19:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 19:09	1
Chromium	0.084		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:09	1
Cobalt	0.034		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:09	1
Copper	0.13		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:09	1
Iron	100		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 19:09	1
Lead	0.049		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 19:09	1
Manganese	0.68		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:09	1
Nickel	0.10		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:09	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 19:09	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-2(5-10)-032023

Lab Sample ID: 500-231021-7

Date Collected: 03/20/23 22:20

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 80.2

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:09	1
Zinc	0.31	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 19:09	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		12	4.9	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Arsenic	9.1		0.60	0.21	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Barium	130		0.60	0.069	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Beryllium	0.72		0.24	0.056	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Cadmium	0.20	B	0.12	0.022	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Calcium	26000	B	12	2.0	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Chromium	14		0.60	0.30	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Cobalt	13		0.30	0.079	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Copper	22		0.60	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Iron	20000		12	6.3	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Lead	17		0.30	0.14	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Magnesium	18000	B	6.0	3.0	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Manganese	370		0.60	0.087	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Nickel	30		0.60	0.18	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Potassium	1100		30	11	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Selenium	<0.60		0.60	0.35	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Silver	0.47		0.30	0.078	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Sodium	280		60	8.9	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Thallium	<0.60		0.60	0.30	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Vanadium	24		0.30	0.071	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1
Zinc	58		1.2	0.53	mg/Kg	☆	03/24/23 14:24	03/28/23 14:43	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 12:04	1

Method: SW846 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		03/24/23 13:55	03/27/23 08:42	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.019	0.010	mg/Kg	☆	03/24/23 17:10	03/27/23 09:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			03/23/23 21:43	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-5(0-5)-032023

Lab Sample ID: 500-231021-8

Date Collected: 03/20/23 22:40

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0080	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Bromoform	<0.0018		0.0018	0.00054	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Carbon disulfide	<0.0046		0.0046	0.00096	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Chlorobenzene	<0.0018		0.0018	0.00068	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Chloroform	<0.0018		0.0018	0.00064	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Chloromethane	<0.0046		0.0046	0.0018	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
1,2-Dichloropropane	<0.0018		0.0018	0.00048	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00065	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0020	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
methyl isobutyl ketone	<0.0046	*1	0.0046	0.0014	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Styrene	<0.0018		0.0018	0.00056	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00059	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Tetrachloroethene	<0.0018		0.0018	0.00063	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00082	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00065	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00079	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☆	03/21/23 17:18	03/23/23 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		75 - 131	03/21/23 17:18	03/23/23 17:59	1
Dibromofluoromethane (Surr)	111		75 - 126	03/21/23 17:18	03/23/23 17:59	1
1,2-Dichloroethane-d4 (Surr)	113		70 - 134	03/21/23 17:18	03/23/23 17:59	1
Toluene-d8 (Surr)	103		75 - 124	03/21/23 17:18	03/23/23 17:59	1

Method: SW846 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	☆	03/28/23 13:22	03/29/23 15:43	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-5(0-5)-032023

Lab Sample ID: 500-231021-8

Date Collected: 03/20/23 22:40

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.4

Method: SW846 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	☆	03/28/23 13:22	03/29/23 15:43	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
2,4-Dinitrophenol	<0.81		0.81	0.70	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Benzo[a]anthracene	0.012	J	0.040	0.0054	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Benzo[a]pyrene	0.016	J	0.040	0.0077	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Benzo[b]fluoranthene	0.025	J	0.040	0.0086	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Chrysene	0.017	J	0.040	0.011	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Fluoranthene	0.019	J	0.040	0.0074	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☆	03/28/23 13:22	03/29/23 15:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-5(0-5)-032023

Lab Sample ID: 500-231021-8

Date Collected: 03/20/23 22:40

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.4

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.010	J	0.040	0.010	mg/Kg	☼	03/28/23 13:22	03/29/23 15:43	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	03/28/23 13:22	03/29/23 15:43	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	03/28/23 13:22	03/29/23 15:43	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	03/28/23 13:22	03/29/23 15:43	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	03/28/23 13:22	03/29/23 15:43	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	03/28/23 13:22	03/29/23 15:43	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	03/28/23 13:22	03/29/23 15:43	1
Phenanthrene	0.010	J	0.040	0.0056	mg/Kg	☼	03/28/23 13:22	03/29/23 15:43	1
Phenol	<0.20		0.20	0.089	mg/Kg	☼	03/28/23 13:22	03/29/23 15:43	1
Pyrene	0.016	J	0.040	0.0080	mg/Kg	☼	03/28/23 13:22	03/29/23 15:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	122		31 - 143				03/28/23 13:22	03/29/23 15:43	1
2-Fluorobiphenyl (Surr)	81		43 - 145				03/28/23 13:22	03/29/23 15:43	1
2-Fluorophenol (Surr)	89		31 - 166				03/28/23 13:22	03/29/23 15:43	1
Nitrobenzene-d5 (Surr)	61		37 - 147				03/28/23 13:22	03/29/23 15:43	1
Phenol-d5 (Surr)	78		30 - 153				03/28/23 13:22	03/29/23 15:43	1
Terphenyl-d14 (Surr)	111		42 - 157				03/28/23 13:22	03/29/23 15:43	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 15:32	1
Barium	0.32	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 15:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 15:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 15:32	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:32	1
Cobalt	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:32	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:32	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:46	03/27/23 15:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 15:32	1
Manganese	0.053		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:32	1
Nickel	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:32	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 15:32	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:32	1
Zinc	<0.50		0.50	0.020	mg/L		03/24/23 16:46	03/27/23 15:32	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.059		0.050	0.010	mg/L		03/24/23 16:47	03/28/23 19:12	1
Barium	0.44	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 19:12	1
Beryllium	0.0062		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 19:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 19:12	1
Chromium	0.12		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:12	1
Cobalt	0.033		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:12	1
Copper	0.14		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:12	1
Iron	130		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 19:12	1
Lead	0.064		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 19:12	1
Manganese	0.78		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:12	1
Nickel	0.11		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:12	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 19:12	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-5(0-5)-032023

Lab Sample ID: 500-231021-8

Date Collected: 03/20/23 22:40

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 82.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:12	1
Zinc	0.38	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 19:12	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9700		12	4.8	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Antimony	0.23	J	1.2	0.23	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Arsenic	9.4		0.58	0.20	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Barium	58		0.58	0.066	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Beryllium	0.65		0.23	0.054	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Cadmium	0.32	B	0.12	0.021	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Calcium	46000	B	58	9.9	mg/Kg	☆	03/24/23 14:24	03/29/23 15:23	5
Chromium	14		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Cobalt	12		0.29	0.076	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Copper	22		0.58	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Iron	19000		12	6.1	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Lead	29		0.29	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Magnesium	21000	B	5.8	2.9	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Manganese	480		0.58	0.084	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Nickel	25		0.58	0.17	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Potassium	1500		29	10	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Silver	0.31		0.29	0.075	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Sodium	290		58	8.6	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Vanadium	22		0.29	0.069	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1
Zinc	67		1.2	0.51	mg/Kg	☆	03/24/23 14:24	03/28/23 14:46	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 12:06	1

Method: SW846 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		03/24/23 13:55	03/27/23 08:49	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.020	0.010	mg/Kg	☆	03/24/23 17:10	03/27/23 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			03/23/23 21:46	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-5(5-10)-032023

Lab Sample ID: 500-231021-9

Date Collected: 03/20/23 22:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 86.8

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.010	J	0.015	0.0064	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Bromoform	<0.0015		0.0015	0.00043	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Carbon disulfide	<0.0037		0.0037	0.00077	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Chlorobenzene	<0.0015		0.0015	0.00054	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Chloroform	<0.0015		0.0015	0.00051	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00041	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00044	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Dibromochloromethane	<0.0015		0.0015	0.00048	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
1,2-Dichloropropane	<0.0015		0.0015	0.00038	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Ethylbenzene	<0.0015		0.0015	0.00071	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0016	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00043	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00047	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Tetrachloroethene	<0.0015		0.0015	0.00050	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Toluene	<0.0015		0.0015	0.00037	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00065	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00049	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00063	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Vinyl chloride	<0.0015		0.0015	0.00065	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1
Xylenes, Total	<0.0029		0.0029	0.00047	mg/Kg	✳	03/21/23 17:18	03/23/23 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		75 - 131	03/21/23 17:18	03/23/23 17:35	1
Dibromofluoromethane (Surr)	95		75 - 126	03/21/23 17:18	03/23/23 17:35	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	03/21/23 17:18	03/23/23 17:35	1
Toluene-d8 (Surr)	87		75 - 124	03/21/23 17:18	03/23/23 17:35	1

Method: SW846 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	✳	03/28/23 13:22	03/29/23 16:06	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	03/28/23 13:22	03/29/23 16:06	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	✳	03/28/23 13:22	03/29/23 16:06	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	✳	03/28/23 13:22	03/29/23 16:06	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	03/28/23 13:22	03/29/23 16:06	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-5(5-10)-032023

Lab Sample ID: 500-231021-9

Date Collected: 03/20/23 22:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 86.8

Method: SW846 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	☆	03/28/23 13:22	03/29/23 16:06	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
2,4-Dichlorophenol	<0.37		0.37	0.090	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☆	03/28/23 13:22	03/29/23 16:06	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-5(5-10)-032023

Lab Sample ID: 500-231021-9

Date Collected: 03/20/23 22:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 86.8

Method: SW846 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	☼	03/28/23 13:22	03/29/23 16:06	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	03/28/23 13:22	03/29/23 16:06	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	03/28/23 13:22	03/29/23 16:06	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	03/28/23 13:22	03/29/23 16:06	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	03/28/23 13:22	03/29/23 16:06	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	03/28/23 13:22	03/29/23 16:06	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	03/28/23 13:22	03/29/23 16:06	1
Phenanthrene	<0.037		0.037	0.0053	mg/Kg	☼	03/28/23 13:22	03/29/23 16:06	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	03/28/23 13:22	03/29/23 16:06	1
Pyrene	<0.037		0.037	0.0075	mg/Kg	☼	03/28/23 13:22	03/29/23 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	133		31 - 143				03/28/23 13:22	03/29/23 16:06	1
2-Fluorobiphenyl (Surr)	79		43 - 145				03/28/23 13:22	03/29/23 16:06	1
2-Fluorophenol (Surr)	91		31 - 166				03/28/23 13:22	03/29/23 16:06	1
Nitrobenzene-d5 (Surr)	59		37 - 147				03/28/23 13:22	03/29/23 16:06	1
Phenol-d5 (Surr)	76		30 - 153				03/28/23 13:22	03/29/23 16:06	1
Terphenyl-d14 (Surr)	111		42 - 157				03/28/23 13:22	03/29/23 16:06	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 15:35	1
Barium	0.35	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 15:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 15:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 15:35	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:35	1
Cobalt	0.032		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:35	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:35	1
Iron	<0.40		0.40	0.20	mg/L		03/24/23 16:46	03/27/23 15:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 15:35	1
Manganese	3.3		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:35	1
Nickel	0.033		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:35	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 15:35	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:35	1
Zinc	0.024	J	0.50	0.020	mg/L		03/24/23 16:46	03/27/23 15:35	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.027	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 19:22	1
Barium	0.14	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 19:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 19:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 19:22	1
Chromium	0.047		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:22	1
Cobalt	0.024	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:22	1
Copper	0.077		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:22	1
Iron	59		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 19:22	1
Lead	0.032		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 19:22	1
Manganese	0.31		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:22	1
Nickel	0.059		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 19:22	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-5(5-10)-032023

Lab Sample ID: 500-231021-9

Date Collected: 03/20/23 22:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 86.8

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:22	1
Zinc	0.15	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 19:22	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6300		11	4.5	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Antimony	<1.1		1.1	0.21	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Arsenic	7.8		0.55	0.19	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Barium	41		2.8	0.31	mg/Kg	☆	03/24/23 14:24	03/29/23 15:26	5
Beryllium	0.49		0.22	0.051	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Cadmium	0.39	B	0.11	0.020	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Calcium	79000	B	55	9.3	mg/Kg	☆	03/24/23 14:24	03/29/23 15:26	5
Chromium	9.4		0.55	0.27	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Cobalt	8.8		0.28	0.072	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Copper	20		0.55	0.15	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Iron	19000		55	29	mg/Kg	☆	03/24/23 14:24	03/29/23 15:26	5
Lead	15		0.28	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Magnesium	48000	B	28	14	mg/Kg	☆	03/24/23 14:24	03/29/23 15:26	5
Manganese	300		0.55	0.080	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Nickel	20		0.55	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Potassium	1100		28	9.8	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Selenium	<0.55		0.55	0.32	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Silver	0.21	J	0.28	0.071	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Sodium	240		55	8.2	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Thallium	<0.55		0.55	0.27	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Vanadium	16		0.28	0.065	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1
Zinc	70		1.1	0.48	mg/Kg	☆	03/24/23 14:24	03/28/23 14:49	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 12:08	1

Method: SW846 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		03/24/23 13:55	03/27/23 08:51	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017		0.017	0.0088	mg/Kg	☆	03/24/23 17:10	03/27/23 09:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			03/24/23 14:15	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-5(5-10)-032023D

Lab Sample ID: 500-231021-10

Date Collected: 03/20/23 22:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 87.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.036		0.015	0.0065	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Bromomethane	<0.0037		0.0037	0.0014	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Carbon disulfide	<0.0037		0.0037	0.00078	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Ethylbenzene	<0.0015		0.0015	0.00071	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Methyl Ethyl Ketone	0.0090		0.0037	0.0017	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☆	03/21/23 17:18	03/23/23 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		75 - 131	03/21/23 17:18	03/23/23 18:01	1
Dibromofluoromethane (Surr)	93		75 - 126	03/21/23 17:18	03/23/23 18:01	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	03/21/23 17:18	03/23/23 18:01	1
Toluene-d8 (Surr)	88		75 - 124	03/21/23 17:18	03/23/23 18:01	1

Method: SW846 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	☆	03/28/23 13:22	03/29/23 16:30	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.043	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-5(5-10)-032023D

Lab Sample ID: 500-231021-10

Date Collected: 03/20/23 22:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 87.2

Method: SW846 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	☆	03/28/23 13:22	03/29/23 16:30	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
2-Chloronaphthalene	<0.18		0.18	0.041	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
2-Chlorophenol	<0.18		0.18	0.063	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
2-Methylnaphthalene	<0.074		0.074	0.0067	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
2-Nitrophenol	<0.36		0.36	0.087	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.29	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Acenaphthene	<0.036		0.036	0.0066	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Benzo[a]pyrene	<0.036		0.036	0.0071	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Benzo[b]fluoranthene	<0.036		0.036	0.0079	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Butyl benzyl phthalate	<0.18		0.18	0.070	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Carbazole	<0.18		0.18	0.092	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Chrysene	<0.036		0.036	0.010	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0071	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Fluoranthene	<0.036		0.036	0.0068	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Fluorene	<0.036		0.036	0.0052	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Hexachlorobutadiene	<0.18		0.18	0.058	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☆	03/28/23 13:22	03/29/23 16:30	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-5(5-10)-032023D

Lab Sample ID: 500-231021-10

Date Collected: 03/20/23 22:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 87.2

Method: SW846 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	☼	03/28/23 13:22	03/29/23 16:30	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	03/28/23 13:22	03/29/23 16:30	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	03/28/23 13:22	03/29/23 16:30	1
Nitrobenzene	<0.036		0.036	0.0092	mg/Kg	☼	03/28/23 13:22	03/29/23 16:30	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	03/28/23 13:22	03/29/23 16:30	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	03/28/23 13:22	03/29/23 16:30	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	03/28/23 13:22	03/29/23 16:30	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	03/28/23 13:22	03/29/23 16:30	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	03/28/23 13:22	03/29/23 16:30	1
Pyrene	<0.036		0.036	0.0073	mg/Kg	☼	03/28/23 13:22	03/29/23 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	133		31 - 143	03/28/23 13:22	03/29/23 16:30	1
2-Fluorobiphenyl (Surr)	89		43 - 145	03/28/23 13:22	03/29/23 16:30	1
2-Fluorophenol (Surr)	104		31 - 166	03/28/23 13:22	03/29/23 16:30	1
Nitrobenzene-d5 (Surr)	70		37 - 147	03/28/23 13:22	03/29/23 16:30	1
Phenol-d5 (Surr)	86		30 - 153	03/28/23 13:22	03/29/23 16:30	1
Terphenyl-d14 (Surr)	115		42 - 157	03/28/23 13:22	03/29/23 16:30	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/24/23 16:46	03/27/23 15:53	1
Barium	0.35	J	0.50	0.050	mg/L		03/24/23 16:46	03/27/23 15:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:46	03/27/23 15:53	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		03/24/23 16:46	03/27/23 15:53	1
Chromium	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:53	1
Cobalt	0.045		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:53	1
Copper	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:53	1
Iron	0.21	J	0.40	0.20	mg/L		03/24/23 16:46	03/27/23 15:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/24/23 16:46	03/27/23 15:53	1
Manganese	3.9		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:53	1
Nickel	0.043		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:53	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:46	03/27/23 15:53	1
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:46	03/27/23 15:53	1
Zinc	0.039	J	0.50	0.020	mg/L		03/24/23 16:46	03/27/23 15:53	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		03/24/23 16:47	03/28/23 19:25	1
Barium	0.10	J	0.50	0.050	mg/L		03/24/23 16:47	03/28/23 19:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/24/23 16:47	03/28/23 19:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/24/23 16:47	03/28/23 19:25	1
Chromium	0.037		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:25	1
Cobalt	0.011	J	0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:25	1
Copper	0.048		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:25	1
Iron	34		0.40	0.20	mg/L		03/24/23 16:47	03/28/23 19:25	1
Lead	0.020		0.0075	0.0075	mg/L		03/24/23 16:47	03/28/23 19:25	1
Manganese	0.20		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:25	1
Nickel	0.031		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:25	1
Selenium	<0.050		0.050	0.020	mg/L		03/24/23 16:47	03/28/23 19:25	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Client Sample ID: DR-5(5-10)-032023D

Lab Sample ID: 500-231021-10

Date Collected: 03/20/23 22:45

Matrix: Solid

Date Received: 03/21/23 15:00

Percent Solids: 87.2

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/24/23 16:47	03/28/23 19:25	1
Zinc	0.097	J	0.50	0.020	mg/L		03/24/23 16:47	03/28/23 19:25	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5400		11	4.5	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Antimony	0.26	J	1.1	0.22	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Arsenic	7.1		0.56	0.19	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Barium	25		0.56	0.063	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Beryllium	0.42		0.22	0.052	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Cadmium	0.24	B	0.11	0.020	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Calcium	55000	B	56	9.4	mg/Kg	☆	03/24/23 14:24	03/29/23 15:37	5
Chromium	8.2		0.56	0.27	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Cobalt	7.2		0.28	0.073	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Copper	16		0.56	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Iron	12000		11	5.8	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Lead	11		0.28	0.13	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Magnesium	29000	B	5.6	2.8	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Manganese	290		0.56	0.081	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Nickel	17		0.56	0.16	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Potassium	860		28	9.8	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Silver	0.19	J	0.28	0.072	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Sodium	210		56	8.2	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Vanadium	13		0.28	0.066	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1
Zinc	49		1.1	0.49	mg/Kg	☆	03/24/23 14:24	03/28/23 14:52	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/24/23 13:55	03/27/23 12:10	1

Method: SW846 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		03/24/23 13:55	03/27/23 08:53	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.017	0.0092	mg/Kg	☆	03/24/23 17:10	03/27/23 09:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0		0.2	0.2	SU			03/24/23 14:23	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
*3	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
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery 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.
S1+	Surrogate recovery exceeds control limits, high biased.

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 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Eurofins Chicago

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231021-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record 640967




Environment Testing
America

Address: _____

Regulatory Program: DW NPDES RCRA Other:

TAL-8210

Client Contact		Project Manager: <u>A Slesars</u>		Site Contact: <u>C. Penn</u>		Date: <u>3-28-23</u>		COC No	
Company Name: <u>Weston Solutions</u>		Tel/Email:		Lab Contact: <u>R. Wright</u>		Carrier:		1 of 9 COCs	
Address: <u>300 Cambridge Pkwy Ste 860</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SVOCs Metals TCEP / SPP Metals pH		 500-231021 COC		Sampler	
City/State/Zip: <u>Lincolnsville NC 28069</u>								For Lab Use Only: Walk-in Client Lab Sampling	
Phone:								Job / SDG No	
Fax:								500-231021	
Project Name: <u>RDOT 051</u>									
Site: <u>2-80</u>									
P O #									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes
1	M-1 (0-5)-032023	3/20/23	2100	6	S	6		X X X X X	
2	M-1 (5-10)-032023		2105						
3	M-2 (0-5)-032023		2150						
4	M-2 (5-10)-032023		2155						
5	M-2 (10-15)-032023		2200						
6	DR-2 (0-5)-032023		2215						
7	DR-2 (5-10)-032023		2220						
8	DR-5 (0-5)-032023		2240						
9	DR-5 (5-10)-032023		2245						
10	DR-5 (5-10)-032023D		2245						
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments: <div style="text-align: right; font-size: 1.2em;">5.5-3840, 5.8-747</div>									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C). Obs'd		Therm ID No			
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>3/21 1324</u>		Received by: <u>[Signature]</u>		Company: <u>EBTA</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EBTA</u>		Date/Time: <u>3/21/23 1500</u>		Received by: <u>[Signature]</u>		Company: <u>EBTA</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EBTA</u>		Date/Time: <u>3/21/23 1500</u>		Received in Laboratory by: <u>[Signature]</u>		Company: <u>EBTA</u>	

Chain of Custody Record 640968



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>A. Sleser</u>		Site Contact: <u>C. Pace</u>		Date		COC No			
Company Name: <u>Worston Solutions</u>		Tel/Email:		Lab Contact: <u>R. Wright</u>		Carrier:		<u>2</u> of <u>4</u> COCs			
Address: <u>300 Knightsbridge Pkwy Ste 300</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2-weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS/MSD (Y/N)		VOCs SVOCs Total Metals TSS/Susp. Solids pH				Sampler:	
City/State/Zip: <u>Orlando, FL 32809</u>										For Lab Use Only	
Phone:										Walk-in Client	
Fax:										Lab Sampling	
Project Name: <u>POST 051</u>								Job / SDG No			
Site: <u>I-80</u>								<u>500-23102</u>			
PO#:											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.			Sample Specific Notes		
11	M-3 (0-5) -032023	3-20-23	2305	G	S	6					
12	M-4 (0-5) -032023		2335								
13	M-4 (5-10) -032023		2340								
14	M-5 (0-5) -032123	3-21-23	0000								
15	M-5 (5-10) -032123		0005								
16	M-6 (0-5) -032123		0040								
17	M-6 (5-10) -032123		0055								
18	M-6 (10-15) -032123		0050								
19	M-7 (0-5) -032123		0110								
20	M-7 (5-10) -032123		0115								
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other											
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months						
Special Instructions/QC Requirements & Comments: <div style="text-align: right; font-size: 1.2em; font-weight: bold;">5.9-758</div>											
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____					
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>3/21/23 1324</u>		Received by: <u>[Signature]</u>		Company: <u>ECOA</u>			
Relinquished by: <u>[Signature]</u>		Company: <u>ECOA</u>		Date/Time: <u>3/21/23 1500</u>		Received by: <u>[Signature]</u>		Company: <u>ECOA</u>			
Relinquished by: <u>[Signature]</u>		Company: <u>ECOA</u>		Date/Time: <u>3/21/23 1500</u>		Received by: <u>[Signature]</u>		Company: <u>ECOA</u>			

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/12/2023 10:27:30 AM Revision 1

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231293-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231293-1	Row-1(0-5)-032723	Solid	03/27/23 09:30	03/27/23 16:50
500-231293-2	Row-1(0-5)-032723D	Solid	03/27/23 09:30	03/27/23 16:50
500-231293-3	Row-2(0-5)-032723	Solid	03/27/23 09:50	03/27/23 16:50
500-231293-4	Row-2(5-10)-032723	Solid	03/27/23 09:55	03/27/23 16:50
500-231293-5	Row-3(0-5)-032723	Solid	03/27/23 10:10	03/27/23 16:50
500-231293-6	Row-3-032723	Water	03/27/23 10:30	03/27/23 16:50
500-231293-7	Trip Blank	Water	03/27/23 00:00	03/27/23 16:50
500-231293-8	Row-4(0-5)-032723	Solid	03/27/23 10:50	03/27/23 16:50
500-231293-9	Row-5(0-5)-032723	Solid	03/27/23 11:10	03/27/23 16:50
500-231293-10	DR-3(0-5)-032723	Solid	03/27/23 11:40	03/27/23 16:50
500-231293-11	DR-3(5-10)-032723	Solid	03/27/23 11:45	03/27/23 16:50
500-231293-12	DR-6(0-5)-032723	Solid	03/27/23 12:10	03/27/23 16:50
500-231293-13	DR-6(5-10)-032723	Solid	03/27/23 12:15	03/27/23 16:50
500-231293-14	Row-6(0-5)-032723	Solid	03/27/23 12:35	03/27/23 16:50
500-231293-15	Row-6(0-5)-032723D	Solid	03/27/23 12:35	03/27/23 16:50
500-231293-16	Row-7(0-5)-032723	Solid	03/27/23 13:00	03/27/23 16:50
500-231293-17	Row-7(5-10)-032723	Solid	03/27/23 13:05	03/27/23 16:50
500-231293-18	Row-10(0-5)-032723	Solid	03/27/23 13:20	03/27/23 16:50
500-231293-19	Row-12(0-5)-032723	Solid	03/27/23 13:45	03/27/23 16:50
500-231293-20	Row-12(5-10)-032723	Solid	03/27/23 13:50	03/27/23 16:50



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-3(0-5)-032723

Lab Sample ID: 500-231293-10

Date Collected: 03/27/23 11:40

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 86.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.014	J	0.016	0.0068	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Carbon disulfide	<0.0039		0.0039	0.00082	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Chloroethane	<0.0039	*-	0.0039	0.0012	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	03/28/23 16:48	04/03/23 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	75 - 131	03/28/23 16:48	04/03/23 22:49	1
Dibromofluoromethane (Surr)	108		75 - 126	03/28/23 16:48	04/03/23 22:49	1
1,2-Dichloroethane-d4 (Surr)	124		70 - 134	03/28/23 16:48	04/03/23 22:49	1
Toluene-d8 (Surr)	113		75 - 124	03/28/23 16:48	04/03/23 22:49	1

Method: SW846 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	☼	04/04/23 07:31	04/04/23 21:35	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-3(0-5)-032723

Lab Sample ID: 500-231293-10

Date Collected: 03/27/23 11:40

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 86.0

Method: SW846 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	✳	04/04/23 07:31	04/04/23 21:35	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Benzo[a]anthracene	0.020	J	0.038	0.0051	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Benzo[a]pyrene	<0.038		0.038	0.0074	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Benzo[b]fluoranthene	0.041		0.038	0.0082	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Bis(2-ethylhexyl) phthalate	0.14	J	0.19	0.070	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Chrysene	0.012	J	0.038	0.010	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Fluoranthene	0.045		0.038	0.0071	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	04/04/23 07:31	04/04/23 21:35	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-3(0-5)-032723

Lab Sample ID: 500-231293-10

Date Collected: 03/27/23 11:40

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 86.0

Method: SW846 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	☼	04/04/23 07:31	04/04/23 21:35	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
Phenanthrene	0.0095	J	0.038	0.0053	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
Pyrene	0.041		0.038	0.0076	mg/Kg	☼	04/04/23 07:31	04/04/23 21:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	73		31 - 143				04/04/23 07:31	04/04/23 21:35	1
2-Fluorobiphenyl (Surr)	70		43 - 145				04/04/23 07:31	04/04/23 21:35	1
2-Fluorophenol (Surr)	69		31 - 166				04/04/23 07:31	04/04/23 21:35	1
Nitrobenzene-d5 (Surr)	68		37 - 147				04/04/23 07:31	04/04/23 21:35	1
Phenol-d5 (Surr)	71		30 - 153				04/04/23 07:31	04/04/23 21:35	1
Terphenyl-d14 (Surr)	90		42 - 157				04/04/23 07:31	04/04/23 21:35	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:26	04/03/23 23:26	1
Barium	0.51		0.50	0.050	mg/L		03/31/23 18:26	04/03/23 23:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:26	04/03/23 23:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:26	04/03/23 23:26	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:26	1
Cobalt	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:26	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:26	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:26	04/03/23 23:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:26	04/03/23 23:26	1
Manganese	2.6		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:26	1
Nickel	0.011	J	0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:26	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:26	04/03/23 23:26	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:26	1
Zinc	<0.50		0.50	0.020	mg/L		03/31/23 18:26	04/03/23 23:26	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		03/31/23 18:30	04/03/23 21:20	1
Barium	0.27	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 21:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 21:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 21:20	1
Chromium	0.066		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:20	1
Cobalt	0.029		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:20	1
Copper	0.055		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:20	1
Iron	52		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 21:20	1
Lead	0.031		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 21:20	1
Manganese	0.60		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:20	1
Nickel	0.072		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:20	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 21:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-3(0-5)-032723

Lab Sample ID: 500-231293-10

Date Collected: 03/27/23 11:40

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 86.0

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:20	1
Zinc	0.11	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 21:20	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		12	4.7	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Antimony	0.43	J	1.2	0.22	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Arsenic	6.8		0.58	0.20	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Barium	51		0.58	0.066	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Beryllium	0.91		0.23	0.054	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Cadmium	0.17		0.12	0.021	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Calcium	52000		58	9.8	mg/Kg	☆	04/03/23 10:34	04/05/23 15:04	5
Chromium	17		0.58	0.29	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Cobalt	16		0.29	0.076	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Copper	24		0.58	0.16	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Iron	20000		12	6.0	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Lead	16		0.29	0.13	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Magnesium	28000		5.8	2.9	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Manganese	380		0.58	0.084	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Nickel	36		0.58	0.17	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Potassium	2600		29	10	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Silver	0.25	J	0.29	0.074	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Sodium	650		58	8.5	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Thallium	0.65		0.58	0.29	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Vanadium	20		0.29	0.068	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1
Zinc	53		1.2	0.51	mg/Kg	☆	04/03/23 10:34	04/04/23 22:57	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 12:59	1

Method: SW846 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		04/03/23 14:55	04/04/23 12:11	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.018	0.0093	mg/Kg	☆	03/30/23 16:50	03/31/23 07:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/03/23 14:43	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-3(5-10)-032723

Lab Sample ID: 500-231293-11

Date Collected: 03/27/23 11:45

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 85.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.017		0.015	0.0067	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Bromomethane	<0.0038		0.0038	0.0014	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Carbon disulfide	<0.0038		0.0038	0.00080	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Carbon tetrachloride	<0.0015		0.0015	0.00044	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Chlorobenzene	<0.0015		0.0015	0.00056	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Chloroethane	<0.0038		0.0038	0.0011	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Chloroform	<0.0015		0.0015	0.00053	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Chloromethane	<0.0038		0.0038	0.0015	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00046	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
1,1-Dichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
1,2-Dichloroethane	<0.0038		0.0038	0.0012	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Ethylbenzene	<0.0015		0.0015	0.00073	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
2-Hexanone	<0.0038		0.0038	0.0012	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Methylene Chloride	<0.0038		0.0038	0.0015	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Methyl Ethyl Ketone	<0.0038		0.0038	0.0017	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
methyl isobutyl ketone	<0.0038		0.0038	0.0011	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Styrene	<0.0015		0.0015	0.00046	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Tetrachloroethene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	☆	03/28/23 16:48	04/04/23 13:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		75 - 131	03/28/23 16:48	04/04/23 13:49	1
Dibromofluoromethane (Surr)	92		75 - 126	03/28/23 16:48	04/04/23 13:49	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	03/28/23 16:48	04/04/23 13:49	1
Toluene-d8 (Surr)	94		75 - 124	03/28/23 16:48	04/04/23 13:49	1

Method: SW846 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	☆	04/04/23 07:31	04/04/23 22:00	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☆	04/04/23 07:31	04/04/23 22:00	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☆	04/04/23 07:31	04/04/23 22:00	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☆	04/04/23 07:31	04/04/23 22:00	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☆	04/04/23 07:31	04/04/23 22:00	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-3(5-10)-032723

Lab Sample ID: 500-231293-11

Date Collected: 03/27/23 11:45

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 85.4

Method: SW846 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	✳	04/04/23 07:31	04/04/23 22:00	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Benzo[a]anthracene	0.014	J	0.039	0.0052	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Benzo[a]pyrene	0.045		0.039	0.0075	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Benzo[b]fluoranthene	0.042		0.039	0.0084	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Bis(2-ethylhexyl) phthalate	0.15	J	0.20	0.071	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Fluoranthene	0.016	J	0.039	0.0072	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✳	04/04/23 07:31	04/04/23 22:00	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-3(5-10)-032723

Lab Sample ID: 500-231293-11

Date Collected: 03/27/23 11:45

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 85.4

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.027	J	0.039	0.010	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.048	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
Phenanthrene	0.013	J	0.039	0.0054	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
Pyrene	0.017	J	0.039	0.0077	mg/Kg	☼	04/04/23 07:31	04/04/23 22:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol (Surr)</i>	84		31 - 143				04/04/23 07:31	04/04/23 22:00	1
<i>2-Fluorobiphenyl (Surr)</i>	81		43 - 145				04/04/23 07:31	04/04/23 22:00	1
<i>2-Fluorophenol (Surr)</i>	76		31 - 166				04/04/23 07:31	04/04/23 22:00	1
<i>Nitrobenzene-d5 (Surr)</i>	76		37 - 147				04/04/23 07:31	04/04/23 22:00	1
<i>Phenol-d5 (Surr)</i>	77		30 - 153				04/04/23 07:31	04/04/23 22:00	1
<i>Terphenyl-d14 (Surr)</i>	103		42 - 157				04/04/23 07:31	04/04/23 22:00	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		03/31/23 18:26	04/03/23 23:29	1
Barium	0.56		0.50	0.050	mg/L		03/31/23 18:26	04/03/23 23:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:26	04/03/23 23:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:26	04/03/23 23:29	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:29	1
Cobalt	0.021	J	0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:29	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:29	1
Iron	<0.40		0.40	0.20	mg/L		03/31/23 18:26	04/03/23 23:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:26	04/03/23 23:29	1
Manganese	2.9		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:29	1
Nickel	0.029		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:29	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:26	04/03/23 23:29	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:29	1
Zinc	<0.50		0.50	0.020	mg/L		03/31/23 18:26	04/03/23 23:29	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:30	04/03/23 21:23	1
Barium	0.070	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 21:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 21:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 21:23	1
Chromium	0.014	J	0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:23	1
Cobalt	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:23	1
Copper	0.011	J	0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:23	1
Iron	10		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 21:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 21:23	1
Manganese	0.10		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:23	1
Nickel	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:23	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 21:23	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-3(5-10)-032723

Lab Sample ID: 500-231293-11

Date Collected: 03/27/23 11:45

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 85.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:23	1
Zinc	0.025	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 21:23	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8200		11	4.5	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Antimony	0.49	J	1.1	0.21	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Arsenic	7.5		0.55	0.19	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Barium	47		2.8	0.31	mg/Kg	☆	04/03/23 10:34	04/05/23 15:08	5
Beryllium	0.69		0.22	0.052	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Cadmium	0.20		0.11	0.020	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Calcium	90000		55	9.4	mg/Kg	☆	04/03/23 10:34	04/05/23 15:08	5
Chromium	12		0.55	0.27	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Cobalt	10		0.28	0.072	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Copper	16		0.55	0.15	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Iron	21000		55	29	mg/Kg	☆	04/03/23 10:34	04/05/23 15:08	5
Lead	16		0.28	0.13	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Magnesium	39000		28	14	mg/Kg	☆	04/03/23 10:34	04/05/23 15:08	5
Manganese	420		0.55	0.080	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Nickel	23		0.55	0.16	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Potassium	2000		28	9.8	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Selenium	<0.55		0.55	0.32	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Silver	0.20	J	0.28	0.071	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Sodium	890		55	8.2	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Thallium	<0.55		0.55	0.28	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Vanadium	17		0.28	0.065	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1
Zinc	58		1.1	0.48	mg/Kg	☆	04/03/23 10:34	04/04/23 23:00	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 13:01	1

Method: SW846 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		04/03/23 14:55	04/04/23 12:13	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.010	mg/Kg	☆	03/30/23 16:50	03/31/23 07:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/03/23 14:46	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-6(0-5)-032723

Lab Sample ID: 500-231293-12

Date Collected: 03/27/23 12:10

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0096	J	0.016	0.0068	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Carbon disulfide	<0.0039		0.0039	0.00081	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Carbon tetrachloride	<0.0016		0.0016	0.00045	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Chloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Chloroform	<0.0016		0.0016	0.00054	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00047	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Dibromochloromethane	<0.0016		0.0016	0.00051	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
1,2-Dichloropropane	<0.0016		0.0016	0.00040	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00055	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Ethylbenzene	<0.0016		0.0016	0.00075	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
methyl isobutyl ketone	<0.0039		0.0039	0.0012	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Styrene	<0.0016		0.0016	0.00047	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00050	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Tetrachloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Toluene	<0.0016		0.0016	0.00039	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00069	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00055	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00067	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Vinyl chloride	<0.0016		0.0016	0.00069	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1
Xylenes, Total	<0.0031		0.0031	0.00050	mg/Kg	☼	03/28/23 16:48	04/04/23 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	03/28/23 16:48	04/04/23 14:15	1
Dibromofluoromethane (Surr)	93		75 - 126	03/28/23 16:48	04/04/23 14:15	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	03/28/23 16:48	04/04/23 14:15	1
Toluene-d8 (Surr)	90		75 - 124	03/28/23 16:48	04/04/23 14:15	1

Method: SW846 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	☼	04/04/23 07:31	04/04/23 20:20	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-6(0-5)-032723

Lab Sample ID: 500-231293-12

Date Collected: 03/27/23 12:10

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.3

Method: SW846 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	✳	04/04/23 07:31	04/04/23 20:20	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✳	04/04/23 07:31	04/04/23 20:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-6(0-5)-032723

Lab Sample ID: 500-231293-12

Date Collected: 03/27/23 12:10

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.3

Method: SW846 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	☼	04/04/23 07:31	04/04/23 20:20	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
Pentachlorophenol	<0.79		0.79	0.62	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	04/04/23 07:31	04/04/23 20:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	73		31 - 143				04/04/23 07:31	04/04/23 20:20	1
2-Fluorobiphenyl (Surr)	72		43 - 145				04/04/23 07:31	04/04/23 20:20	1
2-Fluorophenol (Surr)	70		31 - 166				04/04/23 07:31	04/04/23 20:20	1
Nitrobenzene-d5 (Surr)	68		37 - 147				04/04/23 07:31	04/04/23 20:20	1
Phenol-d5 (Surr)	70		30 - 153				04/04/23 07:31	04/04/23 20:20	1
Terphenyl-d14 (Surr)	91		42 - 157				04/04/23 07:31	04/04/23 20:20	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:26	04/03/23 23:33	1
Barium	0.37	J	0.50	0.050	mg/L		03/31/23 18:26	04/03/23 23:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:26	04/03/23 23:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:26	04/03/23 23:33	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:33	1
Cobalt	0.016	J	0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:33	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:33	1
Iron	0.20	J	0.40	0.20	mg/L		03/31/23 18:26	04/03/23 23:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:26	04/03/23 23:33	1
Manganese	3.9		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:33	1
Nickel	0.019	J	0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:33	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:26	04/03/23 23:33	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/03/23 23:33	1
Zinc	<0.50		0.50	0.020	mg/L		03/31/23 18:26	04/03/23 23:33	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.090		0.050	0.010	mg/L		03/31/23 18:30	04/03/23 21:26	1
Barium	0.34	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 21:26	1
Beryllium	0.0079		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 21:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 21:26	1
Chromium	0.13		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:26	1
Cobalt	0.093		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:26	1
Copper	0.23		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:26	1
Iron	180		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 21:26	1
Lead	0.10		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 21:26	1
Manganese	1.5		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:26	1
Nickel	0.22		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:26	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 21:26	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-6(0-5)-032723

Lab Sample ID: 500-231293-12

Date Collected: 03/27/23 12:10

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 84.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:26	1
Zinc	0.46	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 21:26	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7400		12	4.8	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Antimony	0.28	J	1.2	0.23	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Arsenic	5.4		0.58	0.20	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Barium	64		0.58	0.067	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Beryllium	0.57		0.23	0.055	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Cadmium	0.25		0.12	0.021	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Calcium	92000		58	9.9	mg/Kg	☆	04/03/23 10:34	04/05/23 15:11	5
Chromium	10		0.58	0.29	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Cobalt	8.7		0.29	0.076	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Copper	14		0.58	0.16	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Iron	13000		12	6.1	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Lead	15		0.29	0.13	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Magnesium	27000		5.8	2.9	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Manganese	390		0.58	0.085	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Nickel	18		0.58	0.17	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Potassium	1300		29	10	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Silver	0.20	J	0.29	0.075	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Sodium	330		58	8.6	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Vanadium	16		0.29	0.069	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1
Zinc	48		1.2	0.51	mg/Kg	☆	04/03/23 10:34	04/04/23 23:04	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 13:03	1

Method: SW846 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		04/03/23 14:55	04/04/23 12:16	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.019	0.010	mg/Kg	☆	03/30/23 16:50	03/31/23 07:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.2	0.2	SU			04/03/23 14:48	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-6(5-10)-032723

Lab Sample ID: 500-231293-13

Date Collected: 03/27/23 12:15

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.2

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0072	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Bromoform	<0.0017		0.0017	0.00048	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Bromomethane	<0.0041		0.0041	0.0016	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Carbon disulfide	<0.0041		0.0041	0.00086	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Chloroform	<0.0017		0.0017	0.00057	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Chloromethane	<0.0041		0.0041	0.0017	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00046	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Ethylbenzene	<0.0017		0.0017	0.00079	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00048	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Tetrachloroethene	<0.0017		0.0017	0.00056	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00073	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00055	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Vinyl chloride	<0.0017		0.0017	0.00073	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☆	03/28/23 16:48	04/04/23 14:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		75 - 131	03/28/23 16:48	04/04/23 14:40	1
Dibromofluoromethane (Surr)	90		75 - 126	03/28/23 16:48	04/04/23 14:40	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 134	03/28/23 16:48	04/04/23 14:40	1
Toluene-d8 (Surr)	91		75 - 124	03/28/23 16:48	04/04/23 14:40	1

Method: SW846 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	☆	04/04/23 07:31	04/04/23 20:45	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☆	04/04/23 07:31	04/04/23 20:45	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☆	04/04/23 07:31	04/04/23 20:45	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☆	04/04/23 07:31	04/04/23 20:45	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☆	04/04/23 07:31	04/04/23 20:45	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-6(5-10)-032723

Lab Sample ID: 500-231293-13

Date Collected: 03/27/23 12:15

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.2

Method: SW846 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	✳	04/04/23 07:31	04/04/23 20:45	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.054	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Acenaphthene	0.078		0.040	0.0073	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Acenaphthylene	<0.040		0.040	0.0054	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Anthracene	0.046		0.040	0.0068	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Benzo[a]anthracene	0.37		0.040	0.0055	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Benzo[a]pyrene	0.59		0.040	0.0079	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Benzo[b]fluoranthene	0.63		0.040	0.0088	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Benzo[g,h,i]perylene	0.54		0.040	0.013	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Benzo[k]fluoranthene	0.25		0.040	0.012	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Bis(2-ethylhexyl) phthalate	0.15 J		0.20	0.074	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Carbazole	<0.20		0.20	0.10	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Chrysene	0.45		0.040	0.011	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Dibenz(a,h)anthracene	0.14		0.040	0.0078	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Dibenzofuran	<0.20		0.20	0.048	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Di-n-octyl phthalate	0.20		0.20	0.066	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Fluoranthene	0.55		0.040	0.0075	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Fluorene	0.024 J		0.040	0.0057	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	✳	04/04/23 07:31	04/04/23 20:45	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-6(5-10)-032723

Lab Sample ID: 500-231293-13

Date Collected: 03/27/23 12:15

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.69		0.040	0.011	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
Phenanthrene	0.23		0.040	0.0057	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
Pyrene	0.58		0.040	0.0081	mg/Kg	☼	04/04/23 07:31	04/04/23 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	73		31 - 143				04/04/23 07:31	04/04/23 20:45	1
2-Fluorobiphenyl (Surr)	74		43 - 145				04/04/23 07:31	04/04/23 20:45	1
2-Fluorophenol (Surr)	65		31 - 166				04/04/23 07:31	04/04/23 20:45	1
Nitrobenzene-d5 (Surr)	65		37 - 147				04/04/23 07:31	04/04/23 20:45	1
Phenol-d5 (Surr)	69		30 - 153				04/04/23 07:31	04/04/23 20:45	1
Terphenyl-d14 (Surr)	86		42 - 157				04/04/23 07:31	04/04/23 20:45	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/31/23 18:26	04/04/23 00:05	1
Barium	0.41	J	0.50	0.050	mg/L		03/31/23 18:26	04/04/23 00:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/31/23 18:26	04/04/23 00:05	1
Cadmium	0.0032	J	0.0050	0.0020	mg/L		03/31/23 18:26	04/04/23 00:05	1
Chromium	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:05	1
Cobalt	0.072		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:05	1
Copper	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:05	1
Iron	1.0		0.40	0.20	mg/L		03/31/23 18:26	04/04/23 00:05	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/31/23 18:26	04/04/23 00:05	1
Manganese	9.5	B	0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:05	1
Nickel	0.060		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:05	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:26	04/04/23 00:05	1
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:26	04/04/23 00:05	1
Zinc	0.024	J B	0.50	0.020	mg/L		03/31/23 18:26	04/04/23 00:05	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.038	J	0.050	0.010	mg/L		03/31/23 18:30	04/03/23 21:29	1
Barium	0.29	J	0.50	0.050	mg/L		03/31/23 18:30	04/03/23 21:29	1
Beryllium	0.0048		0.0040	0.0040	mg/L		03/31/23 18:30	04/03/23 21:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/31/23 18:30	04/03/23 21:29	1
Chromium	0.090		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:29	1
Cobalt	0.046		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:29	1
Copper	0.11		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:29	1
Iron	97		0.40	0.20	mg/L		03/31/23 18:30	04/03/23 21:29	1
Lead	0.052		0.0075	0.0075	mg/L		03/31/23 18:30	04/03/23 21:29	1
Manganese	0.87		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:29	1
Nickel	0.11		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:29	1
Selenium	<0.050		0.050	0.020	mg/L		03/31/23 18:30	04/03/23 21:29	1

Euofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Client Sample ID: DR-6(5-10)-032723

Lab Sample ID: 500-231293-13

Date Collected: 03/27/23 12:15

Matrix: Solid

Date Received: 03/27/23 16:50

Percent Solids: 80.2

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/31/23 18:30	04/03/23 21:29	1
Zinc	0.22	J	0.50	0.020	mg/L		03/31/23 18:30	04/03/23 21:29	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		12	4.8	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Antimony	0.72	J	1.2	0.23	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Arsenic	8.7		0.58	0.20	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Barium	64		0.58	0.066	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Beryllium	0.96		0.23	0.054	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Cadmium	0.18		0.12	0.021	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Calcium	58000		58	9.9	mg/Kg	☆	04/03/23 10:34	04/05/23 15:21	5
Chromium	18		0.58	0.29	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Cobalt	13		0.29	0.076	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Copper	22		0.58	0.16	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Iron	24000		12	6.1	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Lead	16		0.29	0.13	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Magnesium	28000		5.8	2.9	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Manganese	370		0.58	0.085	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Nickel	33		0.58	0.17	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Potassium	2800		29	10	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Silver	0.29		0.29	0.075	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Sodium	250		58	8.6	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Thallium	0.37	J	0.58	0.29	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Vanadium	24		0.29	0.069	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1
Zinc	60		1.2	0.51	mg/Kg	☆	04/03/23 10:34	04/04/23 23:07	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 13:16	1

Method: SW846 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		04/03/23 14:55	04/04/23 12:18	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.020	0.010	mg/Kg	☆	03/30/23 16:50	03/31/23 07:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.2	0.2	SU			04/03/23 14:51	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*3	ISTD response or retention time outside acceptable 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.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery 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.
S1+	Surrogate recovery exceeds control limits, high biased.

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 exceeds control 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive

Eurofins Chicago

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231293-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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Chain of Custody Record 640940



Environment Testing
America

500-231293 COC

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager <i>A. Skors</i>		Site Contact <i>C. Rose</i>		Date <i>3/27/23</i>																						
Company Name <i>Western Solutions</i>		Tel/Email		Lab Contact <i>R. Wright</i>		Carrier																						
Address <i>300 Knightsbridge Pkwy Ste 500</i>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">Analysis Turnaround Time</th> <th rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">Filtered Sample (Y/N)</th> <th rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">Perform MS / MSD (Y/N)</th> <th rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">VOCs</th> <th rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">SVOCs</th> <th rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">Petroleum Hydrocarbons</th> <th rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Suspended Solids</th> <th rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">pH</th> </tr> <tr> <td><input type="checkbox"/> CALENDAR DAYS</td> <td><input type="checkbox"/> WORKING DAYS</td> </tr> <tr> <td colspan="2">TAT if different from Below _____</td> </tr> <tr> <td><input type="checkbox"/></td> <td>2 weeks</td> </tr> <tr> <td><input type="checkbox"/></td> <td>1 week</td> </tr> <tr> <td><input type="checkbox"/></td> <td>2 days</td> </tr> <tr> <td><input type="checkbox"/></td> <td>1 day</td> </tr> </table>						Analysis Turnaround Time		Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	SVOCs	Petroleum Hydrocarbons	Total Suspended Solids	pH	<input type="checkbox"/> CALENDAR DAYS	<input type="checkbox"/> WORKING DAYS	TAT if different from Below _____		<input type="checkbox"/>	2 weeks	<input type="checkbox"/>	1 week	<input type="checkbox"/>	2 days	<input type="checkbox"/>	1 day
Analysis Turnaround Time								Filtered Sample (Y/N)	Perform MS / MSD (Y/N)								VOCs	SVOCs	Petroleum Hydrocarbons	Total Suspended Solids	pH							
<input type="checkbox"/> CALENDAR DAYS	<input type="checkbox"/> WORKING DAYS																											
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<input type="checkbox"/>	2 weeks																											
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<input type="checkbox"/>	1 day																											
City/State/Zip <i>Channahon, IL</i>																												
Phone																												
Fax																												
Project Name <i>2 POT 057</i>																												
Site <i>E-40</i>																												
P O #																												
						1 of 4 COCs																						
						Sampler																						
						For Lab Use Only																						
						Walk-in Client																						
						Lab Sampling																						
						Job / SDG No																						
						<i>500-231293</i>																						
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes																					
<i>1</i>	<i>RAW-1(0-5)-032723</i>	<i>3/27/23</i>	<i>0930</i>	<i>G</i>	<i>S</i>	<i>6</i>	<i>X</i>	<i>X</i>																				
<i>2</i>	<i>RAW-1(0-5)-032723D</i>		<i>0930</i>																									
<i>3</i>	<i>RAW-2(0-5)-032723</i>		<i>0950</i>																									
<i>4</i>	<i>RAW-2(5-14)-032723</i>		<i>0955</i>																									
<i>5</i>	<i>RAW-3(0-5)-032723</i>		<i>1010</i>																									
<i>6</i>	<i>RAW 3 032723</i>		<i>1030</i>	<i>G</i>	<i>W</i>	<i>6</i>	<i>X</i>	<i>X</i>																				
<i>7</i>	<i>TRIP Blank</i>				<i>W</i>	<i>2</i>	<i>X</i>																					
<i>8</i>	<i>RAW-4(6-5)-032723</i>	<i>3/27/23</i>	<i>1050</i>	<i>G</i>	<i>S</i>	<i>6</i>	<i>X</i>	<i>X</i>																				
<i>9</i>	<i>RAW-5(0-5)-032723</i>		<i>1110</i>																									
<i>10</i>	<i>DIR-3(0-5)-032723</i>		<i>1140</i>																									
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other																												
Possible Hazard Identification. Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																						
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months																						
Special Instructions/QC Requirements & Comments: <p style="text-align: center;"><i>4.3-3.2</i></p>																												
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____																						
Relinquished by <i>[Signature]</i>		Company <i>WS</i>		Date/Time <i>3/27/23/1545</i>		Received by <i>[Signature]</i>																						
Relinquished by <i>[Signature]</i>		Company <i>EETA</i>		Date/Time <i>3/27/23 1650</i>		Received by <i>[Signature]</i>																						
Relinquished by		Company		Date/Time		Received in Laboratory by																						

Chain of Custody Record 640941



Environment Testing
America

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <i>A. Slegers</i>		Site Contact: <i>C. Jones</i>		Date: <i>3-27-23</i>		COC No			
Company Name: <i>Weston Solutions</i>		Tel/Email:		Lab Contact: <i>Z. Wright</i>		Carrier		2 of 4 COCs			
Address: <i>300 Capital Circle DEW</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		Filtered Sample (Y/N)		Perform MS/MSD (Y/N)		Sampler			
City/State/Zip: <i>Lincolnville, IL</i>								For Lab Use Only			
Phone		TAT if different from Below _____		VOCs SVOCs Total Metals TCUP/SOP Metals ppt		Walk-in Client		Lab Sampling			
Fax		<input type="checkbox"/> 2 weeks				Job / SDG No		SW-231293			
Project Name: <i>25001 051</i>		<input type="checkbox"/> 1 week									
Site: <i>I-80</i>		<input type="checkbox"/> 2 days									
P O #		<input type="checkbox"/> 1 day									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.			Sample Specific Notes		
<i>11</i>	<i>DR-3(5-10)-032723</i>	<i>3/27/23</i>	<i>1145</i>	<i>6</i>	<i>S</i>	<i>6</i>	<i>X</i>	<i>X</i>	<i>X</i>		
<i>12</i>	<i>DR-6(0-5)-032723</i>	<i> </i>	<i>1210</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
<i>13</i>	<i>DR-6(5-10)-032723</i>	<i> </i>	<i>1215</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
<i>14</i>	<i>ROW-6(0-5)-032723</i>	<i> </i>	<i>1235</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
<i>15</i>	<i>ROW-6(0-5)-032723 D</i>	<i> </i>	<i>1235</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
<i>16</i>	<i>ROW-7(0-5)-032723</i>	<i> </i>	<i>1300</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
<i>17</i>	<i>ROW-7(5-10)-032723</i>	<i> </i>	<i>1305</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
<i>18</i>	<i>ROW-10(0-5)-032723</i>	<i> </i>	<i>1320</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
<i>19</i>	<i>ROW-12(0-5)-032723</i>	<i> </i>	<i>1345</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
<i>20</i>	<i>ROW-12(5-10)-032723</i>	<i> </i>	<i>1350</i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>	<i> </i>			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other											
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months						
Special Instructions/QC Requirements & Comments:											
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____		Corr'd _____		Therm ID No _____			
Relinquished by: <i>[Signature]</i>		Company: <i>WS</i>		Date/Time: <i>3-27-23/1548</i>		Received by: <i>[Signature]</i>		Company: <i>EETA</i>			
Relinquished by: <i>[Signature]</i>		Company: <i>EETA</i>		Date/Time: <i>7/27/23 1630</i>		Received by: <i>[Signature]</i>		Company: _____			
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: _____		Company: _____			



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 6/6/2023 12:33:19 PM Revision 1

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-232288-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-232288-1	ROW-43(0-5)-041423	Solid	04/14/23 22:30	04/15/23 02:30
500-232288-2	ROW-43(5-10)-041423	Solid	04/14/23 22:35	04/15/23 02:30
500-232288-3	RC-1(5-10)-041423	Solid	04/14/23 22:20	04/15/23 02:30
500-232288-4	RC-1(5-10)-041423D	Solid	04/14/23 22:20	04/15/23 02:30
500-232288-5	ROW-44(0-5)-041423	Solid	04/14/23 22:50	04/15/23 02:30
500-232288-6	ROW-44(0-5)-041423D	Solid	04/14/23 22:50	04/15/23 02:30
500-232288-7	ROW-44(5-10)-041423	Solid	04/14/23 22:55	04/15/23 02:30
500-232288-8	ROW-45(0-5)-041423	Solid	04/14/23 23:00	04/15/23 02:30
500-232288-9	ROW-45(5-10)-041423	Solid	04/14/23 23:05	04/15/23 02:30
500-232288-10	ROW-66(5-10)-041423	Solid	04/14/23 23:30	04/15/23 02:30
500-232288-11	ROW-66(0-5)-041423	Solid	04/14/23 23:25	04/15/23 02:30
500-232288-12	ROW-66(0-5)-041423D	Solid	04/14/23 23:25	04/15/23 02:30
500-232288-13	DR-4(0-5)-041523	Solid	04/15/23 00:30	04/15/23 02:30
500-232288-14	DR-1(0-5)-041523	Solid	04/15/23 00:40	04/15/23 02:30
500-232288-15	DR-1(5-10)-041523	Solid	04/15/23 00:45	04/15/23 02:30
500-232288-16	ROW-67(0-5)-041523	Solid	04/15/23 00:50	04/15/23 02:30
500-232288-17	ROW-68(0-5)-041523	Solid	04/15/23 00:55	04/15/23 02:30
500-232288-18	ROW-69(0-5)-041523	Solid	04/15/23 01:00	04/15/23 02:30
500-232288-19	ROW-69(0-5)-041523D	Solid	04/15/23 01:00	04/15/23 02:30

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: DR-4(0-5)-041523

Lab Sample ID: 500-232288-13

Date Collected: 04/15/23 00:30

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 88.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	J	0.018	0.0078	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	☼	04/15/23 15:40	04/20/23 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	04/15/23 15:40	04/20/23 16:42	1
Dibromofluoromethane (Surr)	109		75 - 126	04/15/23 15:40	04/20/23 16:42	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	04/15/23 15:40	04/20/23 16:42	1
Toluene-d8 (Surr)	102		75 - 124	04/15/23 15:40	04/20/23 16:42	1

Method: SW846 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	☼	04/26/23 07:05	04/27/23 18:29	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
2,2'-oxybis[1-chloropropane]	<0.18	*+	0.18	0.042	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: DR-4(0-5)-041523

Lab Sample ID: 500-232288-13

Date Collected: 04/15/23 00:30

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 88.3

Method: SW846 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	✳	04/26/23 07:05	04/27/23 18:29	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
4-Nitrophenol	<0.73		0.73	0.34	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Carbazole	<0.18		0.18	0.091	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Hexachlorocyclopentadiene	<0.73		0.73	0.21	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	✳	04/26/23 07:05	04/27/23 18:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: DR-4(0-5)-041523

Lab Sample ID: 500-232288-13

Date Collected: 04/15/23 00:30

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 88.3

Method: SW846 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	☼	04/26/23 07:05	04/27/23 18:29	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	04/26/23 07:05	04/27/23 18:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	50		31 - 143	04/26/23 07:05	04/27/23 18:29	1
2-Fluorobiphenyl (Surr)	71		43 - 145	04/26/23 07:05	04/27/23 18:29	1
2-Fluorophenol (Surr)	69		31 - 166	04/26/23 07:05	04/27/23 18:29	1
Nitrobenzene-d5 (Surr)	73		37 - 147	04/26/23 07:05	04/27/23 18:29	1
Phenol-d5 (Surr)	76		30 - 153	04/26/23 07:05	04/27/23 18:29	1
Terphenyl-d14 (Surr)	93		42 - 157	04/26/23 07:05	04/27/23 18:29	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/20/23 21:31	1
Barium	0.096	J	0.50	0.050	mg/L		04/18/23 17:10	04/20/23 21:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/20/23 21:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/20/23 21:31	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:31	1
Cobalt	0.031		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:31	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:31	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/20/23 21:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/20/23 21:31	1
Manganese	2.1		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:31	1
Nickel	0.023	J	0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:31	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/20/23 21:31	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:31	1
Zinc	<0.50		0.50	0.020	mg/L		04/18/23 17:10	04/20/23 21:31	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.037	J	0.050	0.010	mg/L		04/18/23 17:11	04/25/23 17:03	1
Barium	0.082	J	0.50	0.050	mg/L		04/18/23 17:11	04/25/23 17:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 17:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 17:03	1
Chromium	0.047		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:03	1
Cobalt	0.034		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:03	1
Copper	0.092		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:03	1
Iron	63		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 17:03	1
Lead	0.026		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 17:03	1
Manganese	0.57		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:03	1
Nickel	0.076		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:03	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 17:03	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: DR-4(0-5)-041523

Lab Sample ID: 500-232288-13

Date Collected: 04/15/23 00:30

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 88.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:03	1
Zinc	0.27	J	0.50	0.020	mg/L		04/18/23 17:11	04/25/23 17:03	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2900		11	4.6	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Antimony	0.31	J	1.1	0.22	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Arsenic	4.5		0.56	0.19	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Barium	9.5	B	2.8	0.32	mg/Kg	☆	04/20/23 15:22	04/26/23 15:56	5
Beryllium	0.32	B	0.22	0.052	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Cadmium	0.22	B	0.11	0.020	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Calcium	150000	B	56	9.5	mg/Kg	☆	04/20/23 15:22	04/26/23 15:56	5
Chromium	5.2		0.56	0.28	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Cobalt	4.8		0.28	0.073	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Copper	14		0.56	0.16	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Iron	11000		56	29	mg/Kg	☆	04/20/23 15:22	04/26/23 15:56	5
Lead	7.5		0.28	0.13	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Magnesium	87000	B	28	14	mg/Kg	☆	04/20/23 15:22	04/26/23 15:56	5
Manganese	260	B	0.56	0.081	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Nickel	9.9		0.56	0.16	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Potassium	930		28	9.9	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Silver	0.083	J	0.28	0.072	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Sodium	490		56	8.3	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Vanadium	8.6	B	0.28	0.066	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1
Zinc	33		1.1	0.49	mg/Kg	☆	04/20/23 15:22	04/26/23 14:00	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/19/23 11:30	04/20/23 11:23	1

Method: SW846 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		04/24/23 10:20	04/25/23 12:15	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.018		0.018	0.0094	mg/Kg	☆	04/24/23 14:20	04/25/23 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3		0.2	0.2	SU			04/19/23 16:38	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: DR-1(0-5)-041523

Lab Sample ID: 500-232288-14

Date Collected: 04/15/23 00:40

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 84.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0081	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Benzene	<0.0019		0.0019	0.00048	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Bromoform	<0.0019		0.0019	0.00055	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Bromomethane	<0.0047		0.0047	0.0018	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Carbon disulfide	<0.0047		0.0047	0.00097	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Chlorobenzene	<0.0019		0.0019	0.00069	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Chloroethane	<0.0047		0.0047	0.0014	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Chloroform	<0.0019		0.0019	0.00065	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Chloromethane	<0.0047		0.0047	0.0019	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00056	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
1,2-Dichloroethane	<0.0047		0.0047	0.0015	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
1,1-Dichloroethene	<0.0019		0.0019	0.00064	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
1,2-Dichloropropane	<0.0019		0.0019	0.00048	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00066	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Ethylbenzene	<0.0019		0.0019	0.00089	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Methylene Chloride	<0.0047		0.0047	0.0018	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Methyl Ethyl Ketone	<0.0047		0.0047	0.0021	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
methyl isobutyl ketone	<0.0047		0.0047	0.0014	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Styrene	<0.0019		0.0019	0.00056	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00060	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Tetrachloroethene	<0.0019		0.0019	0.00064	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Toluene	<0.0019		0.0019	0.00047	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00083	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00066	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00063	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00080	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Vinyl chloride	<0.0019		0.0019	0.00083	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1
Xylenes, Total	<0.0037		0.0037	0.00060	mg/Kg	✳	04/15/23 15:40	04/20/23 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		75 - 131	04/15/23 15:40	04/20/23 17:06	1
Dibromofluoromethane (Surr)	108		75 - 126	04/15/23 15:40	04/20/23 17:06	1
1,2-Dichloroethane-d4 (Surr)	115		70 - 134	04/15/23 15:40	04/20/23 17:06	1
Toluene-d8 (Surr)	109		75 - 124	04/15/23 15:40	04/20/23 17:06	1

Method: SW846 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	✳	04/26/23 07:05	04/27/23 18:51	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
2,2'-oxybis[1-chloropropane]	<0.19	*+	0.19	0.044	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: DR-1(0-5)-041523

Lab Sample ID: 500-232288-14

Date Collected: 04/15/23 00:40

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 84.4

Method: SW846 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	✳	04/26/23 07:05	04/27/23 18:51	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Benzo[a]anthracene	0.015	J	0.038	0.0051	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Benzo[a]pyrene	0.0086	J	0.038	0.0073	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Benzo[b]fluoranthene	0.012	J	0.038	0.0082	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Benzo[g,h,i]perylene	0.018	J	0.038	0.012	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Fluoranthene	0.0082	J	0.038	0.0070	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	04/26/23 07:05	04/27/23 18:51	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: DR-1(0-5)-041523

Lab Sample ID: 500-232288-14

Date Collected: 04/15/23 00:40

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 84.4

Method: SW846 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	☼	04/26/23 07:05	04/27/23 18:51	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/26/23 07:05	04/27/23 18:51	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	04/26/23 07:05	04/27/23 18:51	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	04/26/23 07:05	04/27/23 18:51	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/26/23 07:05	04/27/23 18:51	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/26/23 07:05	04/27/23 18:51	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	04/26/23 07:05	04/27/23 18:51	1
Phenanthrene	0.013	J	0.038	0.0053	mg/Kg	☼	04/26/23 07:05	04/27/23 18:51	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/26/23 07:05	04/27/23 18:51	1
Pyrene	0.014	J	0.038	0.0075	mg/Kg	☼	04/26/23 07:05	04/27/23 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	56		31 - 143	04/26/23 07:05	04/27/23 18:51	1
2-Fluorobiphenyl (Surr)	83		43 - 145	04/26/23 07:05	04/27/23 18:51	1
2-Fluorophenol (Surr)	79		31 - 166	04/26/23 07:05	04/27/23 18:51	1
Nitrobenzene-d5 (Surr)	86		37 - 147	04/26/23 07:05	04/27/23 18:51	1
Phenol-d5 (Surr)	86		30 - 153	04/26/23 07:05	04/27/23 18:51	1
Terphenyl-d14 (Surr)	98		42 - 157	04/26/23 07:05	04/27/23 18:51	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/20/23 22:23	1
Barium	0.65		0.50	0.050	mg/L		04/18/23 17:10	04/20/23 22:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/20/23 22:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/20/23 22:23	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 22:23	1
Cobalt	0.057		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 22:23	1
Copper	0.012	J	0.025	0.010	mg/L		04/18/23 17:10	04/20/23 22:23	1
Iron	0.22	J	0.40	0.20	mg/L		04/18/23 17:10	04/20/23 22:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/20/23 22:23	1
Manganese	5.9		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 22:23	1
Nickel	0.033		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 22:23	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/20/23 22:23	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 22:23	1
Zinc	0.052	J	0.50	0.020	mg/L		04/18/23 17:10	04/20/23 22:23	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.046	J	0.050	0.010	mg/L		04/18/23 17:11	04/25/23 17:13	1
Barium	0.79		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 17:13	1
Beryllium	0.0094		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 17:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 17:13	1
Chromium	0.19		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:13	1
Cobalt	0.099		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:13	1
Copper	0.19		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:13	1
Iron	160		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 17:13	1
Lead	0.095		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 17:13	1
Manganese	1.9		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:13	1
Nickel	0.24		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:13	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 17:13	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: DR-1(0-5)-041523

Lab Sample ID: 500-232288-14

Date Collected: 04/15/23 00:40

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 84.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:13	1
Zinc	0.43	J	0.50	0.020	mg/L		04/18/23 17:11	04/25/23 17:13	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		12	4.8	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Antimony	<1.2		1.2	0.23	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Arsenic	4.5		0.59	0.20	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Barium	41	B	0.59	0.067	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Beryllium	0.74	B	0.23	0.055	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Cadmium	0.14	B	0.12	0.021	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Calcium	80000	B	59	9.9	mg/Kg	☆	04/20/23 15:22	04/26/23 15:59	5
Chromium	16		0.59	0.29	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Cobalt	13		0.29	0.077	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Copper	22		0.59	0.16	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Iron	17000		12	6.1	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Lead	21		0.29	0.14	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Magnesium	32000	B	5.9	2.9	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Manganese	400	B	0.59	0.085	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Nickel	29		0.59	0.17	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Potassium	2300		29	10	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Selenium	<0.59		0.59	0.34	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Silver	0.20	J	0.29	0.076	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Sodium	930		59	8.7	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Thallium	<0.59		0.59	0.29	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Vanadium	20	B	0.29	0.069	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1
Zinc	68		1.2	0.51	mg/Kg	☆	04/20/23 15:22	04/26/23 14:03	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/19/23 11:30	04/20/23 11:52	1

Method: SW846 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		04/24/23 10:20	04/25/23 12:17	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.019		0.019	0.0099	mg/Kg	☆	04/24/23 14:20	04/25/23 09:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			04/19/23 16:41	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: DR-1(5-10)-041523

Lab Sample ID: 500-232288-15

Date Collected: 04/15/23 00:45

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 85.7

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.035		0.018	0.0080	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Bromodichloromethane	<0.0018		0.0018	0.00038	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Bromoform	<0.0018		0.0018	0.00054	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Carbon disulfide	<0.0046		0.0046	0.00096	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Carbon tetrachloride	<0.0018		0.0018	0.00054	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Chlorobenzene	<0.0018		0.0018	0.00068	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Chloroform	<0.0018		0.0018	0.00064	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Chloromethane	<0.0046		0.0046	0.0019	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00052	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00056	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
1,1-Dichloroethene	<0.0018		0.0018	0.00064	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
1,2-Dichloropropane	<0.0018		0.0018	0.00048	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00065	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Methyl Ethyl Ketone	0.0038 J		0.0046	0.0020	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Styrene	<0.0018		0.0018	0.00056	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00059	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Tetrachloroethene	<0.0018		0.0018	0.00063	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Toluene	<0.0018		0.0018	0.00047	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00082	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00065	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00062	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00079	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Vinyl chloride	<0.0018		0.0018	0.00082	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	✳	04/15/23 15:40	04/20/23 17:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		75 - 131	04/15/23 15:40	04/20/23 17:31	1
Dibromofluoromethane (Surr)	110		75 - 126	04/15/23 15:40	04/20/23 17:31	1
1,2-Dichloroethane-d4 (Surr)	115		70 - 134	04/15/23 15:40	04/20/23 17:31	1
Toluene-d8 (Surr)	103		75 - 124	04/15/23 15:40	04/20/23 17:31	1

Method: SW846 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	✳	04/26/23 07:05	04/27/23 19:13	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
2,2'-oxybis[1-chloropropane]	<0.19	*+	0.19	0.045	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: DR-1(5-10)-041523

Lab Sample ID: 500-232288-15

Date Collected: 04/15/23 00:45

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 85.7

Method: SW846 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	✳	04/26/23 07:05	04/27/23 19:13	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Benzo[a]pyrene	<0.038		0.038	0.0075	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Carbazole	<0.19		0.19	0.096	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Chrysene	<0.038		0.038	0.011	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	✳	04/26/23 07:05	04/27/23 19:13	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: DR-1(5-10)-041523

Lab Sample ID: 500-232288-15

Date Collected: 04/15/23 00:45

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 85.7

Method: SW846 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	☼	04/26/23 07:05	04/27/23 19:13	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/26/23 07:05	04/27/23 19:13	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/26/23 07:05	04/27/23 19:13	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	04/26/23 07:05	04/27/23 19:13	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/26/23 07:05	04/27/23 19:13	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	04/26/23 07:05	04/27/23 19:13	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/26/23 07:05	04/27/23 19:13	1
Phenanthrene	<0.038		0.038	0.0054	mg/Kg	☼	04/26/23 07:05	04/27/23 19:13	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	04/26/23 07:05	04/27/23 19:13	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	☼	04/26/23 07:05	04/27/23 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	54		31 - 143	04/26/23 07:05	04/27/23 19:13	1
2-Fluorobiphenyl (Surr)	77		43 - 145	04/26/23 07:05	04/27/23 19:13	1
2-Fluorophenol (Surr)	74		31 - 166	04/26/23 07:05	04/27/23 19:13	1
Nitrobenzene-d5 (Surr)	79		37 - 147	04/26/23 07:05	04/27/23 19:13	1
Phenol-d5 (Surr)	79		30 - 153	04/26/23 07:05	04/27/23 19:13	1
Terphenyl-d14 (Surr)	95		42 - 157	04/26/23 07:05	04/27/23 19:13	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/20/23 21:34	1
Barium	0.56		0.50	0.050	mg/L		04/18/23 17:10	04/20/23 21:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/20/23 21:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/20/23 21:34	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:34	1
Cobalt	0.017 J		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:34	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:34	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/20/23 21:34	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/20/23 21:34	1
Manganese	6.8		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:34	1
Nickel	0.014 J		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:34	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:10	04/20/23 21:34	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/20/23 21:34	1
Zinc	<0.50		0.50	0.020	mg/L		04/18/23 17:10	04/20/23 21:34	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.053		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 17:17	1
Barium	0.32 J		0.50	0.050	mg/L		04/18/23 17:11	04/25/23 17:17	1
Beryllium	0.0051		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 17:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 17:17	1
Chromium	0.090		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:17	1
Cobalt	0.058		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:17	1
Copper	0.13		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:17	1
Iron	110		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 17:17	1
Lead	0.056		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 17:17	1
Manganese	1.1		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:17	1
Nickel	0.14		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:17	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 17:17	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Client Sample ID: DR-1(5-10)-041523

Lab Sample ID: 500-232288-15

Date Collected: 04/15/23 00:45

Matrix: Solid

Date Received: 04/15/23 02:30

Percent Solids: 85.7

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 17:17	1
Zinc	0.27	J	0.50	0.020	mg/L		04/18/23 17:11	04/25/23 17:17	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9500		11	4.6	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Antimony	0.62	J	1.1	0.22	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Arsenic	9.6		0.56	0.19	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Barium	49	B	0.56	0.064	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Beryllium	0.72	B	0.22	0.052	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Cadmium	0.22	B	0.11	0.020	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Calcium	68000	B	56	9.5	mg/Kg	☆	04/20/23 15:22	04/26/23 16:02	5
Chromium	13		0.56	0.28	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Cobalt	13		0.28	0.073	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Copper	24		0.56	0.16	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Iron	19000		11	5.8	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Lead	16		0.28	0.13	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Magnesium	31000	B	5.6	2.8	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Manganese	490	B	0.56	0.081	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Nickel	30		0.56	0.16	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Potassium	1700		28	9.9	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Selenium	0.35	J	0.56	0.33	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Silver	0.33		0.28	0.072	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Sodium	210		56	8.3	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Vanadium	21	B	0.28	0.066	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1
Zinc	55		1.1	0.49	mg/Kg	☆	04/20/23 15:22	04/26/23 14:14	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/19/23 11:30	04/20/23 11:25	1

Method: SW846 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		04/24/23 10:20	04/25/23 12:19	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.018	0.0096	mg/Kg	☆	04/24/23 14:20	04/25/23 09:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.2	0.2	SU			04/19/23 16:43	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

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 and/or LCSD is outside acceptance limits, high biased.
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 exceeds control 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232288-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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Chain of Custody Record 641361




Environment Testing
America

Address _____

Regulatory Program: RCRA NPDES RCRA Other

TAL-8210

Client Contact Company Name: <i>Western Solutions</i> Address: <i>300 Kylesbridge Parkway</i> City/State/Zip: <i>Lincolnshire, IL</i> Phone: _____ Fax: _____ Project Name: <i>200T 051</i> Site: <i>R-80</i> P O #: _____		Project Manager: <i>A. Slegers</i> Tel/Email: _____		Site Contact: <i>C. Ferr</i> Lab Contact: <i>R. W. D. H. T.</i> Date: <i>4/14/23</i> Carrier: _____		COC No. _____ 1 of 2 COCs Sampler: _____ For Lab Use Only Walk-in Client: <input type="checkbox"/> Lab Sampling: <input type="checkbox"/> Job / SDG No. <i>500-232288</i>																																																																																																																										
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Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other						Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown																																																																																																																										
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Chain of Custody Record 641359



Environment Testing
America

TAL-8210

Address: _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <u>A. Blakes</u>		Site Contact: <u>C. Parr</u>		Date: <u>4/14/23 / 4.15.23</u>		COC No																													
Company Name: <u>Weston Solutions</u>		Tel/Email:		Lab Contact: <u>R. [unclear]</u>		Carrier:		2 of 2 COCs																													
Address: <u>300 [unclear] Pkwy</u>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">Analysis Turnaround Time</th> <th rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">Filtered Sample (Y/N)</th> <th rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">Perform MS/MSD (Y/N)</th> <th rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">VOCs</th> <th rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">SVOCs</th> <th rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Metals</th> <th rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">Turb/Sol Metals</th> <th rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">pH</th> </tr> <tr> <td><input type="checkbox"/> CALENDAR DAYS</td> <td><input type="checkbox"/> WORKING DAYS</td> </tr> <tr> <td colspan="2">TAT if different from Below _____</td> </tr> <tr> <td><input type="checkbox"/> 2 Weeks</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 1 week</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 2 days</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 1 day</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								Analysis Turnaround Time		Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	VOCs	SVOCs	Total Metals	Turb/Sol Metals	pH	<input type="checkbox"/> CALENDAR DAYS	<input type="checkbox"/> WORKING DAYS	TAT if different from Below _____		<input type="checkbox"/> 2 Weeks		<input type="checkbox"/> 1 week		<input type="checkbox"/> 2 days		<input type="checkbox"/> 1 day								
Analysis Turnaround Time										Filtered Sample (Y/N)	Perform MS/MSD (Y/N)								VOCs	SVOCs	Total Metals	Turb/Sol Metals	pH														
<input type="checkbox"/> CALENDAR DAYS	<input type="checkbox"/> WORKING DAYS																																				
TAT if different from Below _____																																					
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<input type="checkbox"/> 1 day																																					
City/State/Zip: <u>[unclear], RI</u>																																					
Phone:																																					
Fax:																																					
Project Name: <u>2001 051</u>																																					
Site: <u>2-80</u>																																					
P O #:																																					
Sampler		For Lab Use Only																																			
Walk-in Client		Job / SDG No																																			
Lab Sampling		<u>400-232288</u>																																			
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes																														
1 Row-66 (0-5) - 041423		4/14/23	1125	G	S	6	X	X	X	X	X																										
2 Row-66 (0-5) - 041423D		↓	1125																																		
3 DR-4 (0-5) - 041523		4/15/23	0030																																		
4 DR-1 (0-5) - 041523		↓	0040																																		
5 DR-1 (5-10) - 041523		↓	0045																																		
6 Row-67 (0-5) - 041523		↓	0050																																		
7 Row-68 (0-5) - 041523		↓	0055																																		
8 Row-69 (0-5) - 041523		↓	0100																																		
9 Row-69 (0-5) - 041523D		↓	0100																																		
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other		Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample																																			
<input checked="" type="checkbox"/> Non-Hazardous		<input type="checkbox"/> Flammable		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Poison B		<input type="checkbox"/> Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																											
<input type="checkbox"/> Return to Client		<input checked="" type="checkbox"/> Disposal by Lab		<input type="checkbox"/> Archive for _____ Months		Special Instructions/QC Requirements & Comments:																															
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No																															
Relinquished by: <u>[Signature]</u>		Company: <u>NS</u>		Date/Time: <u>4.15.23/00</u>		Received by:		Company:		Date/Time:																											
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:																											
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: <u>[Signature]</u>		Company: <u>EEPA</u>		Date/Time: <u>4/19/23 0515</u>																											



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 80 (I-80) - e/o River Rd to w/o Houbolt Rd Office Phone Number, if available: _____

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

Rock Run Creek, approx M.M. 126.9 (ISGS Site 2233V3-68)

City: Unincorporated State: IL Zip Code: _____

County: Will Township: Troy

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

Latitude: 41.48653 Longitude: - 88.18654
(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.): 3,400

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 RC-2, RC-4, AND RC-6 WERE SAMPLED ALONG ISGS SITE 2233V3-68. SEE FIGURE 3-7, AND TABLE 4-1 OF THE 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]:

EUROFINS ANALYTICAL REPORTS - JOB ID: 500-231095-1, 500-231240-1, AND 500-232207-1. ALSO SEE FIGURE 4-7 OF THE PRELIMINARY SITE INVESTIGATION REPORT.


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

I, Michael A. Castillo, P.G. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

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

Company Name: Weston Solutions, Inc.
Street Address: 300 Knightsbridge Parkway; Suite 360
City: Lincolnshire State: IL Zip Code: 60069
Phone: (224) 864-7200

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


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

7 June 2023
Date:



Summary Table - Rock Run Creek (ISGS Site No. 2233V3-68)
FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
Joliet, Will County, Illinois

Location	Reference Concentrations (MAC Table)	RC-2	RC-2	RC-2	RC-4	RC-6
		RC-2(0-5)-032323	RC-2(5-10)-032323	RC-2(10-15)-032323	RC-4(0-5)-032223	RC-6(0-5)-041323
Field Sample ID		3/23/2023	3/23/2023	3/23/2023	3/22/2023	4/13/2023
Sample Date		2233V3-68	2233V3-68	2233V3-68	2233V3-68	2233V3-68
ISGS Site No						
Laboratory pH	<6.25, >9.0	8.8	8.9	8.1	8.2	7.1
VOCs (mg/kg)						
1,2-Dichloroethane	0.02	ND	ND	ND	ND	ND
Acetone	25	ND	ND	0.013 J	ND	ND
Benzene	0.03	ND	ND	ND	ND	ND
Carbon disulfide	9	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.4	ND	ND	ND	ND	ND
Methyl ethyl ketone	---	ND	ND	ND	ND	ND
Toluene	12	ND	ND	ND	ND	ND
Trichloroethene	0.06	ND	ND	ND	ND	ND
Vinyl Chloride	0.01	ND	ND	ND	ND	ND
Xylene (Total)	5.6	ND	ND	ND	ND	ND
SVOCs (mg/kg)						
2,4-Dinitrotoluene	0.25	ND	ND	ND	ND	ND
2-Methylnaphthalene	---	ND	ND	ND	ND	ND
Acenaphthene	570	ND	ND	ND	ND	ND
Acenaphthylene	---	ND	ND	ND	ND	ND
Anthracene	12000	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 / 11 / 1.8	0.011 J	ND	ND	0.012 J	ND
Benzo(a)pyrene	0.09 / 11 / 2.1	0.017 J	ND	ND	0.021 J	ND
Benzo(b)fluoranthene	0.9 / 13 / 2.1	0.027 J	ND	ND	0.022 J	ND
Benzo(g,h,i)perylene	---	ND	ND	ND	ND	0.023 J
Benzo(k)fluoranthene	9	ND	ND	ND	0.012 J	ND
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	ND	ND
Chrysene	88	0.014 J	ND	ND	0.017 J	ND
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	ND	ND	ND	ND	ND
Di-N-Octyl phthalate	1600	ND	ND	ND	ND	ND
Fluoranthene	3100	0.021 J	ND	ND	0.02 J	ND
Fluorene	560	ND	ND	ND	ND	ND
Hexachlorobenzene	0.4	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	0.012 J	ND	ND	ND	ND
Naphthalene	1.8	ND	ND	ND	ND	ND
Phenanthrene	---	0.0088 J	ND	ND	0.0077 J	0.025 J
Pyrene	2300	0.019 J	ND	ND	0.022 J	ND
Total Metals (mg/kg)						
Aluminum, Total	---	5800	3400	2100	4400	10000
Antimony, Total	5	0.27 J	ND	0.31 J	0.28 J	0.36 J
Arsenic, Total	11.3 / 13	5.5	4.4	3.1	5.2	7.1
Barium, Total	1500	41	17	14	39	42 B
Beryllium, Total	22	0.53	0.37	0.39	0.47	0.76 J
Cadmium, Total	5.2	ND	ND	0.054 J	0.22	0.12 J
Calcium, Total	---	89000	130000	150000	84000 B	69000 B
Chromium, Total	21	8.1	5.6	3.4	6.6	14
Cobalt, Total	20	6.5	4.6	2.9	6	12
Copper, Total	2900	11 B	8.4 B	3.9 J	10	20
Iron, Total	15000 / 15900	14000	9600	11000	13000 B	19000
Lead, Total	107	17	7.7	5	15	12
Magnesium, Total	325000	52000 B	77000 B	92000 B	50000	31000
Manganese, Total	630 / 636	340	390	440	340 B	420
Mercury, Total	0.89	0.027	0.017 J	0.016 J	0.027	0.017 J
Nickel, Total	100	14	10	4.8	13	30
Potassium, Total	---	1100	980	840	750	2600
Selenium, Total	1.3	ND	ND	ND	ND	ND
Silver, Total	4.4	0.16 J	0.08 J	ND	0.18 J	0.23 J
Sodium, Total	---	180	190	180	130	620
Thallium, Total	2.6	ND	ND	ND	ND	0.83
Vanadium, Total	550	12	9.1	5.9	10	18 B
Zinc, Total	5100	38	19	14	33	53

**Summary Table - Rock Run Creek (ISGS Site No. 2233V3-68)
 FAI 80 – Interstate 80 (I-80) - From East of River Road to West of Houbolt Road
 Joliet, Will County, Illinois**

Location	Reference Concentrations (MAC Table)	RC-2	RC-2	RC-2	RC-4	RC-6
Field Sample ID		RC-2(0-5)-032323	RC-2(5-10)-032323	RC-2(10-15)-032323	RC-4(0-5)-032223	RC-6(0-5)-041323
Sample Date		3/23/2023	3/23/2023	3/23/2023	3/22/2023	4/13/2023
ISGS Site No		2233V3-68	2233V3-68	2233V3-68	2233V3-68	2233V3-68
TCLP Metals (mg/l)						
Arsenic, TCLP	0.05	ND	0.011 J	ND	ND	ND
Barium, TCLP	2	0.27 J	0.13 J	0.32 J	0.29 J	0.46 J
Beryllium, TCLP	0.004	ND	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	ND	ND
Chromium, TCLP	0.1	ND	ND	ND	ND	ND
Cobalt, TCLP	1	ND	ND	ND	ND	0.024 J
Copper, TCLP	0.65	ND	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	ND	0.22 J	ND
Lead, TCLP	0.0075	ND	ND	ND	ND	ND
Manganese, TCLP	0.15	0.099	0.54	1.9	0.68	3
Mercury, TCLP	0.002	ND	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	ND	ND	ND	0.027
Selenium, TCLP	0.05	ND	ND	ND	ND	0.021 J
Silver, TCLP	0.05	ND	ND	ND	ND	ND
Zinc, TCLP	5	ND	ND	ND	0.034 J	ND
SPLP Metals (mg/l)						
Arsenic, SPLP	0.05	0.019 J	ND	0.014 J	0.013 J	ND
Barium, SPLP	2	0.18 J	ND	0.061 J	0.14 J	0.064 J
Beryllium, SPLP	0.004	ND	ND	ND	ND	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND	ND
Chromium, SPLP	0.1	0.056	0.011 J	0.035	0.049	0.017 J
Cobalt, SPLP	1	0.013 J	ND	0.014 J	ND	ND
Copper, SPLP	0.65	0.038	ND	0.019 J	0.031	0.012 J
Iron, SPLP	5	52	7.4	54	41	12
Lead, SPLP	0.0075	0.04	ND	0.025	0.033	ND
Manganese, SPLP	0.15	0.41	0.063	0.22	0.34	0.14
Mercury, SPLP	0.002	ND	ND	ND	ND	ND
Nickel, SPLP	0.1	0.038	ND	0.032	0.029	0.013 J
Selenium, SPLP	0.05	ND	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND	ND
Zinc, SPLP	5	0.14 J	0.022 J	0.049 J	0.1 J	0.025 J

Notes and Abbreviations:

--- - not applicable or value not available.

Reference concentrations from MAC Table include background values for Chicago corporate limits and MSA counties, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

 Yellow shaded values indicate concentration exceeds MAC Table Reference Concentration.

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 3/31/2023 5:27:24 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231095-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231095-1	M-23(0-5)-032123	Solid	03/21/23 22:05	03/22/23 15:46
500-231095-2	M-23(5-10)-032123	Solid	03/21/23 22:10	03/22/23 15:46
500-231095-3	M-23(10-15)-032123	Solid	03/21/23 22:15	03/22/23 15:46
500-231095-4	M-22(0-5)-032123	Solid	03/21/23 22:40	03/22/23 15:46
500-231095-5	M-22(5-10)-032123	Solid	03/21/23 22:45	03/22/23 15:46
500-231095-6	M-21(0-5)-032123	Solid	03/21/23 23:10	03/22/23 15:46
500-231095-7	M-20(0-5)-032123	Solid	03/21/23 23:25	03/22/23 15:46
500-231095-8	M-19(0-5)-032123	Solid	03/21/23 23:50	03/22/23 15:46
500-231095-9	M-18(0-5)-032223	Solid	03/22/23 00:25	03/22/23 15:46
500-231095-10	RC-4(0-5)-032223	Solid	03/22/23 00:50	03/22/23 15:46
500-231095-11	55-1(0-5)-032223	Solid	03/22/23 02:25	03/22/23 15:46
500-231095-12	55-1(5-10)-032223	Solid	03/22/23 02:30	03/22/23 15:46
500-231095-13	55-1(10-15)-032223	Solid	03/22/23 02:35	03/22/23 15:46
500-231095-14	55-2(0-5)-032223	Solid	03/22/23 03:00	03/22/23 15:46
500-231095-15	55-2(5-10)-032223	Solid	03/22/23 03:05	03/22/23 15:46
500-231095-16	55-2-032223	Water	03/22/23 03:20	03/22/23 15:46
500-231095-17	55-2-032223D	Water	03/22/23 03:20	03/22/23 15:46
500-231095-18	Trip Blank	Water	03/21/23 00:00	03/22/23 15:46



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: RC-4(0-5)-032223

Lab Sample ID: 500-231095-10

Date Collected: 03/22/23 00:50

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 85.3

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0075	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1
Xylenes, Total	<0.0035		0.0035	0.00055	mg/Kg	☆	03/22/23 17:27	03/26/23 21:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		75 - 131	03/22/23 17:27	03/26/23 21:44	1
Dibromofluoromethane (Surr)	96		75 - 126	03/22/23 17:27	03/26/23 21:44	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	03/22/23 17:27	03/26/23 21:44	1
Toluene-d8 (Surr)	86		75 - 124	03/22/23 17:27	03/26/23 21:44	1

Method: SW846 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	☆	03/30/23 08:01	03/31/23 16:29	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☆	03/30/23 08:01	03/31/23 16:29	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☆	03/30/23 08:01	03/31/23 16:29	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☆	03/30/23 08:01	03/31/23 16:29	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.043	mg/Kg	☆	03/30/23 08:01	03/31/23 16:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: RC-4(0-5)-032223

Lab Sample ID: 500-231095-10

Date Collected: 03/22/23 00:50

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 85.3

Method: SW846 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	0.084	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2,4-Dichlorophenol	<0.37		0.37	0.087	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2-Chloronaphthalene	<0.18		0.18	0.041	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2-Chlorophenol	<0.18		0.18	0.063	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2-Methylnaphthalene	<0.074		0.074	0.0068	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Acenaphthylene	<0.037		0.037	0.0048	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Anthracene	<0.037		0.037	0.0061	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Benzo[a]anthracene	0.012	J	0.037	0.0049	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Benzo[a]pyrene	0.021	J *3	0.037	0.0071	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Benzo[b]fluoranthene	0.022	J *3	0.037	0.0079	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Benzof[g,h,i]perylene	<0.037	*3	0.037	0.012	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Benzo[k]fluoranthene	0.012	J *3	0.037	0.011	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.038	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.067	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Butyl benzyl phthalate	<0.18		0.18	0.070	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Carbazole	<0.18		0.18	0.092	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Chrysene	0.017	J	0.037	0.010	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Dibenz(a,h)anthracene	<0.037	*3	0.037	0.0071	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Fluoranthene	0.020	J	0.037	0.0068	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Hexachlorobutadiene	<0.18		0.18	0.058	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	✳	03/30/23 08:01	03/31/23 16:29	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: RC-4(0-5)-032223

Lab Sample ID: 500-231095-10

Date Collected: 03/22/23 00:50

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 85.3

Method: SW846 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	*3	0.037	0.0095	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
Phenanthrene	0.0077	J	0.037	0.0051	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
Phenol	<0.18		0.18	0.082	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1
Pyrene	0.022	J	0.037	0.0073	mg/Kg	☼	03/30/23 08:01	03/31/23 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	131		31 - 143	03/30/23 08:01	03/31/23 16:29	1
2-Fluorobiphenyl (Surr)	99		43 - 145	03/30/23 08:01	03/31/23 16:29	1
2-Fluorophenol (Surr)	121		31 - 166	03/30/23 08:01	03/31/23 16:29	1
Nitrobenzene-d5 (Surr)	79		37 - 147	03/30/23 08:01	03/31/23 16:29	1
Phenol-d5 (Surr)	94		30 - 153	03/30/23 08:01	03/31/23 16:29	1
Terphenyl-d14 (Surr)	123		42 - 157	03/30/23 08:01	03/31/23 16:29	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/29/23 16:10	03/30/23 15:22	1
Barium	0.29	J	0.50	0.050	mg/L		03/29/23 16:10	03/30/23 15:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/23 16:10	03/30/23 15:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/29/23 16:10	03/30/23 15:22	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:22	1
Cobalt	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:22	1
Copper	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:22	1
Iron	0.22	J	0.40	0.20	mg/L		03/29/23 16:10	03/30/23 15:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/23 16:10	03/30/23 15:22	1
Manganese	0.68		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:22	1
Nickel	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/23 16:10	03/30/23 15:22	1
Silver	<0.025		0.025	0.010	mg/L		03/29/23 16:10	03/30/23 15:22	1
Zinc	0.034	J	0.50	0.020	mg/L		03/29/23 16:10	03/30/23 15:22	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013	J	0.050	0.010	mg/L		03/30/23 06:15	03/31/23 13:37	1
Barium	0.14	J	0.50	0.050	mg/L		03/30/23 06:15	03/31/23 13:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 06:15	03/31/23 13:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 06:15	03/31/23 13:37	1
Chromium	0.049		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:37	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:37	1
Copper	0.031		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:37	1
Iron	41		0.40	0.20	mg/L		03/30/23 06:15	03/31/23 13:37	1
Lead	0.033		0.0075	0.0075	mg/L		03/30/23 06:15	03/31/23 13:37	1
Manganese	0.34		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:37	1
Nickel	0.029		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:37	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 06:15	03/31/23 13:37	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Client Sample ID: RC-4(0-5)-032223

Lab Sample ID: 500-231095-10

Date Collected: 03/22/23 00:50

Matrix: Solid

Date Received: 03/22/23 15:46

Percent Solids: 85.3

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 06:15	03/31/23 13:37	1
Zinc	0.10	J	0.50	0.020	mg/L		03/30/23 06:15	03/31/23 13:37	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4400		11	4.7	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Antimony	0.28	J	1.1	0.22	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Arsenic	5.2		0.57	0.20	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Barium	39		2.9	0.33	mg/Kg	☆	03/27/23 21:15	03/30/23 19:18	5
Beryllium	0.47		0.23	0.054	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Cadmium	0.22		0.11	0.021	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Calcium	84000	B	57	9.7	mg/Kg	☆	03/27/23 21:15	03/30/23 19:18	5
Chromium	6.6		0.57	0.28	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Cobalt	6.0		0.29	0.075	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Copper	10		0.57	0.16	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Iron	13000	B	57	30	mg/Kg	☆	03/27/23 21:15	03/30/23 19:18	5
Lead	15		0.29	0.13	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Magnesium	50000		29	14	mg/Kg	☆	03/27/23 21:15	03/30/23 19:18	5
Manganese	340	B	0.57	0.083	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Nickel	13		0.57	0.17	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Potassium	750		29	10	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Silver	0.18	J	0.29	0.074	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Sodium	130		57	8.5	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Thallium	<0.57		0.57	0.29	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Vanadium	10		0.29	0.068	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1
Zinc	33		1.1	0.50	mg/Kg	☆	03/27/23 21:15	03/29/23 21:42	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/30/23 11:25	03/31/23 10:20	1

Method: SW846 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		03/30/23 11:25	03/31/23 11:33	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.018	0.0094	mg/Kg	☆	03/28/23 15:10	03/29/23 08:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.2	0.2	SU			03/28/23 15:09	1

Definitions/Glossary

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	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
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery exceeds control 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
^	Continuing Calibration Verification (CCV) is outside acceptance limits, low biased.
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 exceeds control 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, and the absolute difference between results is < the upper reporting limits for both.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231095-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record 640938




Environment Testing
America

Address _____

Regulatory Program. DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>A. Slagge</u>		Site Contact: <u>C. Pene</u>		Date: <u>3-21-23 to 3-22-23</u>		COC No		
Company Name: <u>Western Solutions</u>		Tel/Email		Lab Contact: <u>R. Wright</u>		Carrier		1 of 2 COCs		
Address: <u>300 Knightsbridge Hwy, Nagsco</u>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Perform MS / MSD (Y/N) <u>VOCs</u> <u>SVOCs</u> <u>Total Metals</u> <u>TEP/SEP Metals</u> <u>pH</u>		 500-231095 COC		Sampler		Job / SDG No <u>500-231095</u>
City/State/Zip: <u>Chesham, NJ 08059</u>								For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>		
Phone								Sample Specific Notes		
Fax										
Project Name: <u>DOT 051</u>										
Site: <u>I-80</u>										
PO#										

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Notes
1 M-23 (0-5) - 032123	3-21-23	2205	G	S	6			X X X X X
2 M-23 (5-10) - 032123		2210						
3 M-23 (10-15) - 032123		2215						
4 M-22 (0-5) - 032123		2240						
5 M-22 (5-10) - 032123		2245						
6 M-21 (0-5) - 032123		2310						
7 M-20 (0-5) - 032123		2325						
8 M-19 (0-5) - 032123		2350						
9 M-18 (0-5) - 032223	3-22-23	0025						
10 RC-4 (0-5) - 032223		0050						

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months	
---	--	--	--

Special Instructions/QC Requirements & Comments: 2.8 → 1.7, 3.9 → 2.8

Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____	
Relinquished by: <u>[Signature]</u>	Company: <u>WS</u>	Date/Time: <u>3-21-23/1215</u>	Received by: <u>[Signature]</u>	Company: <u>CETA</u>	Date/Time: <u>3-22-23 1215</u>		
Relinquished by: <u>[Signature]</u>	Company: <u>CETA</u>	Date/Time: <u>3-22-23 1540</u>	Received by: <u>[Signature]</u>	Company: <u>CETA</u>	Date/Time: _____		
Relinquished by: _____	Company: _____	Date/Time: _____	Received in Laboratory by: <u>[Signature]</u>	Company: <u>CETA</u>	Date/Time: <u>3/22/23 1540</u>		

Chain of Custody Record 640939



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager <u>A. Slezers</u>		Site Contact <u>C. Pave</u>		Date <u>3-22-23</u>		COC No		
Company Name <u>Weston Solutions</u>		Tel/Email		Lab Contact <u>R Wright</u>		Carrier		<u>2</u> of <u>2</u> COCs		
Address <u>300 Knightsbridge Parkway Ste 20</u>		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SVOCs Total Metals TCLP / SPCP Metals pH				Sampler		
City/State/Zip <u>Chickadee, IL 60069</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS						For Lab Use Only		
Phone		TAT if different from Below _____						Walk-in Client		
Fax		<input type="checkbox"/> 2 weeks						Lab Sampling		
Project Name <u>IDOT OSI</u>		<input type="checkbox"/> 1 week						Job / SDG No		
Site <u>2-80</u>		<input type="checkbox"/> 2 days		<u>500-231095</u>						
P O #		<input type="checkbox"/> 1 day								
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes			
<u>11 55-1(0-5)-032223</u>		<u>3-22-23</u>	<u>0225</u>	<u>G</u>	<u>S</u>	<u>6</u>		X	X	X
<u>12 55-1(5-10)-032223</u>		<u>↓</u>	<u>0230</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>				
<u>13 55-1(10-15)-032223</u>		<u>↓</u>	<u>0235</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>				
<u>14 55-2(0-5)-032223</u>		<u>↓</u>	<u>0300</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>				
<u>15 55-2(5-10)-032223</u>		<u>↓</u>	<u>0305</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>				
<u>16 55-2-032223</u>		<u>↓</u>	<u>0320</u>	<u>G</u>	<u>W</u>	<u>6</u>		X	X	X
<u>17 55-2-032223D</u>		<u>↓</u>	<u>0320</u>	<u>G</u>	<u>W</u>	<u>6</u>		X	X	X
<u>18 Trip Blnk</u>		<u>-</u>	<u>-</u>	<u>-</u>	<u>W</u>	<u>2</u>		X		
<u>99 55-2(10-15)-032223</u> <u>99 3/22/23</u>										
<u>Added by <u>BEH</u></u> <u>Discard <u>SS</u> 3/22/23</u> <u>per client</u>										
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____										
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments:										
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____		Corr'd _____		Therm ID No _____		
Relinquished by <u>[Signature]</u>		Company <u>WS</u>		Date/Time <u>3-22-23/1215</u>		Received by <u>[Signature]</u>		Company <u>EETA</u>		
Relinquished by <u>[Signature]</u>		Company <u>EETA</u>		Date/Time <u>3-22-23/1546</u>		Received by <u>[Signature]</u>		Company <u>EETA</u>		
Relinquished by _____		Company _____		Date/Time _____		Received by _____		Company <u>EETA</u>		

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/6/2023 4:25:35 PM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-231240-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231240-1	M-13(0-5)-032323	Solid	03/23/23 21:10	03/24/23 14:25
500-231240-2	M-14(0-5)-032323	Solid	03/23/23 21:30	03/24/23 14:25
500-231240-3	M-15(0-5)-032323	Solid	03/23/23 21:40	03/24/23 14:25
500-231240-4	M-15(0-5)-032323D	Solid	03/23/23 21:40	03/24/23 14:25
500-231240-5	M-15(5-10)-032323	Solid	03/23/23 21:45	03/24/23 14:25
500-231240-6	M-15(10-15)-032323	Solid	03/23/23 21:50	03/24/23 14:25
500-231240-7	M-15-032323	Water	03/23/23 22:25	03/24/23 14:25
500-231240-8	M-16(0-5)-032323	Solid	03/23/23 22:40	03/24/23 14:25
500-231240-9	M-16(5-10)-032323	Solid	03/23/23 22:45	03/24/23 14:25
500-231240-10	M-17(0-5)-032323	Solid	03/23/23 23:10	03/24/23 14:25
500-231240-11	M-17(5-10)-032323	Solid	03/23/23 23:20	03/24/23 14:25
500-231240-12	M-17(5-10)-032323D	Solid	03/23/23 23:20	03/24/23 14:25
500-231240-13	RC-2(0-5)-032323	Solid	03/23/23 23:40	03/24/23 14:25
500-231240-14	RC-2(5-10)-032323	Solid	03/23/23 23:50	03/24/23 14:25
500-231240-15	RC-2(10-15)-032323	Solid	03/23/23 23:55	03/24/23 14:25
500-231240-16	ROW-59(0-5)-032423	Solid	03/24/23 01:00	03/24/23 14:25
500-231240-17	ROW-60(0-5)-032423	Solid	03/24/23 01:20	03/24/23 14:25
500-231240-18	ROW-60(5-10)-032423	Solid	03/24/23 01:25	03/24/23 14:25
500-231240-19	ROW-57(0-5)-032423	Solid	03/24/23 02:40	03/24/23 14:25
500-231240-20	ROW-58(0-5)-032423	Solid	03/24/23 02:55	03/24/23 14:25

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: RC-2(0-5)-032323

Lab Sample ID: 500-231240-13

Date Collected: 03/23/23 23:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 84.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0078	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Bromomethane	<0.0045	*	0.0045	0.0017	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
1,3-Dichloropropane, Total	<0.0018		0.0018	0.00063	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☆	03/24/23 17:35	04/03/23 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		75 - 131	03/24/23 17:35	04/03/23 13:07	1
Dibromofluoromethane (Surr)	97		75 - 126	03/24/23 17:35	04/03/23 13:07	1
1,2-Dichloroethane-d4 (Surr)	113		70 - 134	03/24/23 17:35	04/03/23 13:07	1
Toluene-d8 (Surr)	106		75 - 124	03/24/23 17:35	04/03/23 13:07	1

Method: SW846 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	☆	04/03/23 09:38	04/04/23 22:54	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	04/03/23 09:38	04/04/23 22:54	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☆	04/03/23 09:38	04/04/23 22:54	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☆	04/03/23 09:38	04/04/23 22:54	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	04/03/23 09:38	04/04/23 22:54	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: RC-2(0-5)-032323

Lab Sample ID: 500-231240-13

Date Collected: 03/23/23 23:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 84.9

Method: SW846 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	✳	04/03/23 09:38	04/04/23 22:54	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Benzo[a]anthracene	0.011	J	0.038	0.0051	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Benzo[a]pyrene	0.017	J *3	0.038	0.0074	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Benzo[b]fluoranthene	0.027	J *3	0.038	0.0082	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Benzo[g,h,i]perylene	<0.038	*3	0.038	0.012	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Benzo[k]fluoranthene	<0.038	*3	0.038	0.011	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Bis(2-chloroethyl)ether	<0.19	+	0.19	0.057	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Carbazole	<0.19		0.19	0.095	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Chrysene	0.014	J	0.038	0.010	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Dibenz(a,h)anthracene	<0.038	*3	0.038	0.0073	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Fluoranthene	0.021	J	0.038	0.0071	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	04/03/23 09:38	04/04/23 22:54	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: RC-2(0-5)-032323

Lab Sample ID: 500-231240-13

Date Collected: 03/23/23 23:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 84.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.012	J*3	0.038	0.0099	mg/Kg	☼	04/03/23 09:38	04/04/23 22:54	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/03/23 09:38	04/04/23 22:54	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/03/23 09:38	04/04/23 22:54	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	04/03/23 09:38	04/04/23 22:54	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.046	mg/Kg	☼	04/03/23 09:38	04/04/23 22:54	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	04/03/23 09:38	04/04/23 22:54	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	04/03/23 09:38	04/04/23 22:54	1
Phenanthrene	0.0088	J	0.038	0.0053	mg/Kg	☼	04/03/23 09:38	04/04/23 22:54	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	04/03/23 09:38	04/04/23 22:54	1
Pyrene	0.019	J	0.038	0.0076	mg/Kg	☼	04/03/23 09:38	04/04/23 22:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	69		31 - 143				04/03/23 09:38	04/04/23 22:54	1
2-Fluorobiphenyl (Surr)	84		43 - 145				04/03/23 09:38	04/04/23 22:54	1
2-Fluorophenol (Surr)	110		31 - 166				04/03/23 09:38	04/04/23 22:54	1
Nitrobenzene-d5 (Surr)	68		37 - 147				04/03/23 09:38	04/04/23 22:54	1
Phenol-d5 (Surr)	98		30 - 153				04/03/23 09:38	04/04/23 22:54	1
Terphenyl-d14 (Surr)	110		42 - 157				04/03/23 09:38	04/04/23 22:54	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 20:06	1
Barium	0.27	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 20:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 20:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 20:06	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:06	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:06	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:06	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 20:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 20:06	1
Manganese	0.099		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:06	1
Nickel	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:06	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 20:06	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:06	1
Zinc	<0.50		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 20:06	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.019	J	0.050	0.010	mg/L		03/30/23 17:01	04/03/23 16:38	1
Barium	0.18	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 16:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 16:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 16:38	1
Chromium	0.056		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:38	1
Cobalt	0.013	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:38	1
Copper	0.038		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:38	1
Iron	52		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 16:38	1
Lead	0.040		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 16:38	1
Manganese	0.41		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:38	1
Nickel	0.038		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:38	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 16:38	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: RC-2(0-5)-032323

Lab Sample ID: 500-231240-13

Date Collected: 03/23/23 23:40

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 84.9

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:38	1
Zinc	0.14	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 16:38	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5800		12	4.8	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Antimony	0.27	J	1.2	0.23	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Arsenic	5.5		0.59	0.20	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Barium	41		2.9	0.33	mg/Kg	☆	03/30/23 14:47	04/03/23 16:26	5
Beryllium	0.53		0.23	0.055	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Calcium	89000		59	9.9	mg/Kg	☆	03/30/23 14:47	04/03/23 16:26	5
Chromium	8.1		0.59	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Cobalt	6.5		0.29	0.077	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Copper	11	B	0.59	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Iron	14000		59	31	mg/Kg	☆	03/30/23 14:47	04/03/23 16:26	5
Lead	17		0.29	0.14	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Magnesium	52000	B	29	15	mg/Kg	☆	03/30/23 14:47	04/03/23 16:26	5
Manganese	340		0.59	0.085	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Nickel	14		0.59	0.17	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Potassium	1100		29	10	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Selenium	<0.59		0.59	0.34	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Silver	0.16	J	0.29	0.076	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Sodium	180		59	8.7	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Thallium	<0.59		0.59	0.29	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Vanadium	12		0.29	0.069	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1
Zinc	38		1.2	0.52	mg/Kg	☆	03/30/23 14:47	03/31/23 23:25	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 12:14	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:18	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.019	0.010	mg/Kg	☆	03/29/23 15:40	03/30/23 07:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.8		0.2	0.2	SU			03/29/23 13:09	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: RC-2(5-10)-032323

Lab Sample ID: 500-231240-14

Date Collected: 03/23/23 23:50

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 89.0

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.015		0.015	0.0065	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Benzene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Bromodichloromethane	<0.0015		0.0015	0.00030	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Bromoform	<0.0015		0.0015	0.00044	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Bromomethane	<0.0037	*	0.0037	0.0014	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Carbon disulfide	<0.0037		0.0037	0.00078	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Carbon tetrachloride	<0.0015		0.0015	0.00043	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Chlorobenzene	<0.0015		0.0015	0.00055	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Chloroethane	<0.0037		0.0037	0.0011	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Chloroform	<0.0015		0.0015	0.00052	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Chloromethane	<0.0037		0.0037	0.0015	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00042	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Dibromochloromethane	<0.0015		0.0015	0.00049	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
1,1-Dichloroethane	<0.0015		0.0015	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
1,2-Dichloroethane	<0.0037		0.0037	0.0012	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
1,1-Dichloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
1,2-Dichloropropane	<0.0015		0.0015	0.00039	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00052	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Ethylbenzene	<0.0015		0.0015	0.00071	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
2-Hexanone	<0.0037		0.0037	0.0012	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Methylene Chloride	<0.0037		0.0037	0.0015	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Methyl Ethyl Ketone	<0.0037		0.0037	0.0017	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
methyl isobutyl ketone	<0.0037		0.0037	0.0011	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00044	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Styrene	<0.0015		0.0015	0.00045	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00048	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Tetrachloroethene	<0.0015		0.0015	0.00051	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Toluene	<0.0015		0.0015	0.00038	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00066	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00052	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
1,1,1-Trichloroethane	<0.0015		0.0015	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00064	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Trichloroethene	<0.0015		0.0015	0.00050	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Vinyl chloride	<0.0015		0.0015	0.00066	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1
Xylenes, Total	<0.0030		0.0030	0.00048	mg/Kg	☆	03/24/23 17:35	04/03/23 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		75 - 131	03/24/23 17:35	04/03/23 13:30	1
Dibromofluoromethane (Surr)	104		75 - 126	03/24/23 17:35	04/03/23 13:30	1
1,2-Dichloroethane-d4 (Surr)	115		70 - 134	03/24/23 17:35	04/03/23 13:30	1
Toluene-d8 (Surr)	107		75 - 124	03/24/23 17:35	04/03/23 13:30	1

Method: SW846 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	☆	04/03/23 09:38	04/04/23 19:19	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☆	04/03/23 09:38	04/04/23 19:19	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☆	04/03/23 09:38	04/04/23 19:19	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☆	04/03/23 09:38	04/04/23 19:19	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☆	04/03/23 09:38	04/04/23 19:19	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: RC-2(5-10)-032323

Lab Sample ID: 500-231240-14

Date Collected: 03/23/23 23:50

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 89.0

Method: SW846 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	✳	04/03/23 09:38	04/04/23 19:19	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
2-Methylnaphthalene	<0.075		0.075	0.0068	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Benzo[a]pyrene	<0.037		0.037	0.0072	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Benzo[b]fluoranthene	<0.037		0.037	0.0080	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Bis(2-chloroethyl)ether	<0.19	+	0.19	0.056	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Carbazole	<0.19		0.19	0.093	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Chrysene	<0.037		0.037	0.010	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	✳	04/03/23 09:38	04/04/23 19:19	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: RC-2(5-10)-032323

Lab Sample ID: 500-231240-14

Date Collected: 03/23/23 23:50

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 89.0

Method: SW846 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	☼	04/03/23 09:38	04/04/23 19:19	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/03/23 09:38	04/04/23 19:19	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	04/03/23 09:38	04/04/23 19:19	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	04/03/23 09:38	04/04/23 19:19	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	04/03/23 09:38	04/04/23 19:19	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	04/03/23 09:38	04/04/23 19:19	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	04/03/23 09:38	04/04/23 19:19	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	04/03/23 09:38	04/04/23 19:19	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	04/03/23 09:38	04/04/23 19:19	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	04/03/23 09:38	04/04/23 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	60		31 - 143	04/03/23 09:38	04/04/23 19:19	1
2-Fluorobiphenyl (Surr)	68		43 - 145	04/03/23 09:38	04/04/23 19:19	1
2-Fluorophenol (Surr)	103		31 - 166	04/03/23 09:38	04/04/23 19:19	1
Nitrobenzene-d5 (Surr)	57		37 - 147	04/03/23 09:38	04/04/23 19:19	1
Phenol-d5 (Surr)	97		30 - 153	04/03/23 09:38	04/04/23 19:19	1
Terphenyl-d14 (Surr)	92		42 - 157	04/03/23 09:38	04/04/23 19:19	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		03/30/23 17:01	04/03/23 20:10	1
Barium	0.13	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 20:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 20:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 20:10	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:10	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:10	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:10	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 20:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 20:10	1
Manganese	0.54		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:10	1
Nickel	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:10	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 20:10	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:10	1
Zinc	<0.50		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 20:10	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 16:41	1
Barium	<0.50		0.50	0.050	mg/L		03/30/23 17:01	04/03/23 16:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 16:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 16:41	1
Chromium	0.011	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:41	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:41	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:41	1
Iron	7.4		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 16:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 16:41	1
Manganese	0.063		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:41	1
Nickel	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:41	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 16:41	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: RC-2(5-10)-032323

Lab Sample ID: 500-231240-14

Date Collected: 03/23/23 23:50

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 89.0

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:41	1
Zinc	0.022	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 16:41	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3400		11	4.4	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Antimony	<1.1		1.1	0.21	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Arsenic	4.4		0.54	0.18	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Barium	17		2.7	0.31	mg/Kg	☆	03/30/23 14:47	04/03/23 16:29	5
Beryllium	0.37		0.22	0.050	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Cadmium	<0.11		0.11	0.019	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Calcium	130000		54	9.2	mg/Kg	☆	03/30/23 14:47	04/03/23 16:29	5
Chromium	5.6		0.54	0.27	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Cobalt	4.6		0.27	0.071	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Copper	8.4	B	0.54	0.15	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Iron	9600		54	28	mg/Kg	☆	03/30/23 14:47	04/03/23 16:29	5
Lead	7.7		0.27	0.12	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Magnesium	77000	B	27	13	mg/Kg	☆	03/30/23 14:47	04/03/23 16:29	5
Manganese	390		0.54	0.078	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Nickel	10		0.54	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Potassium	980		27	9.6	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Selenium	<0.54		0.54	0.32	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Silver	0.080	J	0.27	0.070	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Sodium	190		54	8.0	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Thallium	<0.54		0.54	0.27	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Vanadium	9.1		0.27	0.064	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1
Zinc	19		1.1	0.47	mg/Kg	☆	03/30/23 14:47	03/31/23 23:29	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 12:16	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:20	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.018	0.0096	mg/Kg	☆	03/29/23 15:40	03/30/23 08:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.9		0.2	0.2	SU			03/29/23 13:13	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: RC-2(10-15)-032323

Lab Sample ID: 500-231240-15

Date Collected: 03/23/23 23:55

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.013	J	0.025	0.011	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Benzene	<0.0025		0.0025	0.00065	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Bromodichloromethane	<0.0025		0.0025	0.00052	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Bromoform	<0.0025		0.0025	0.00074	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Bromomethane	<0.0064	*	0.0064	0.0024	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Carbon disulfide	<0.0064		0.0064	0.0013	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Carbon tetrachloride	<0.0025		0.0025	0.00074	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Chlorobenzene	<0.0025		0.0025	0.00094	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Chloroethane	<0.0064		0.0064	0.0019	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Chloroform	<0.0025		0.0025	0.00088	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Chloromethane	<0.0064		0.0064	0.0026	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
cis-1,2-Dichloroethene	<0.0025		0.0025	0.00071	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
cis-1,3-Dichloropropene	<0.0025		0.0025	0.00077	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Dibromochloromethane	<0.0025		0.0025	0.00083	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
1,1-Dichloroethane	<0.0025		0.0025	0.00087	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
1,2-Dichloroethane	<0.0064		0.0064	0.0020	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
1,1-Dichloroethene	<0.0025		0.0025	0.00088	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
1,2-Dichloropropane	<0.0025		0.0025	0.00066	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
1,3-Dichloropropene, Total	<0.0025		0.0025	0.00089	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Ethylbenzene	<0.0025		0.0025	0.0012	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
2-Hexanone	<0.0064		0.0064	0.0020	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Methylene Chloride	<0.0064		0.0064	0.0025	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Methyl Ethyl Ketone	<0.0064		0.0064	0.0028	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
methyl isobutyl ketone	<0.0064		0.0064	0.0019	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Methyl tert-butyl ether	<0.0025		0.0025	0.00075	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Styrene	<0.0025		0.0025	0.00077	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
1,1,2,2-Tetrachloroethane	<0.0025		0.0025	0.00081	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Tetrachloroethene	<0.0025		0.0025	0.00087	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Toluene	<0.0025		0.0025	0.00064	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
trans-1,2-Dichloroethene	<0.0025		0.0025	0.0011	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
trans-1,3-Dichloropropene	<0.0025		0.0025	0.00089	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
1,1,1-Trichloroethane	<0.0025		0.0025	0.00085	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
1,1,2-Trichloroethane	<0.0025		0.0025	0.0011	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Trichloroethene	<0.0025		0.0025	0.00086	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Vinyl chloride	<0.0025		0.0025	0.0011	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1
Xylenes, Total	<0.0051		0.0051	0.00081	mg/Kg	✳	03/24/23 17:35	04/03/23 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		75 - 131	03/24/23 17:35	04/03/23 13:54	1
Dibromofluoromethane (Surr)	97		75 - 126	03/24/23 17:35	04/03/23 13:54	1
1,2-Dichloroethane-d4 (Surr)	112		70 - 134	03/24/23 17:35	04/03/23 13:54	1
Toluene-d8 (Surr)	106		75 - 124	03/24/23 17:35	04/03/23 13:54	1

Method: SW846 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	✳	04/03/23 09:38	04/04/23 17:32	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: RC-2(10-15)-032323

Lab Sample ID: 500-231240-15

Date Collected: 03/23/23 23:55

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.4

Method: SW846 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	✳	04/03/23 09:38	04/04/23 17:32	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Benzo[a]pyrene	<0.037		0.037	0.0073	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Benzo[b]fluoranthene	<0.037		0.037	0.0081	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Bis(2-chloroethyl)ether	<0.19	+	0.19	0.056	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Chrysene	<0.037		0.037	0.010	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	04/03/23 09:38	04/04/23 17:32	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: RC-2(10-15)-032323

Lab Sample ID: 500-231240-15

Date Collected: 03/23/23 23:55

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.4

Method: SW846 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	☼	04/03/23 09:38	04/04/23 17:32	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	04/03/23 09:38	04/04/23 17:32	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	04/03/23 09:38	04/04/23 17:32	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	04/03/23 09:38	04/04/23 17:32	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	04/03/23 09:38	04/04/23 17:32	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	04/03/23 09:38	04/04/23 17:32	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	04/03/23 09:38	04/04/23 17:32	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	04/03/23 09:38	04/04/23 17:32	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	04/03/23 09:38	04/04/23 17:32	1
Pyrene	<0.037		0.037	0.0074	mg/Kg	☼	04/03/23 09:38	04/04/23 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	73		31 - 143	04/03/23 09:38	04/04/23 17:32	1
2-Fluorobiphenyl (Surr)	82		43 - 145	04/03/23 09:38	04/04/23 17:32	1
2-Fluorophenol (Surr)	107		31 - 166	04/03/23 09:38	04/04/23 17:32	1
Nitrobenzene-d5 (Surr)	66		37 - 147	04/03/23 09:38	04/04/23 17:32	1
Phenol-d5 (Surr)	100		30 - 153	04/03/23 09:38	04/04/23 17:32	1
Terphenyl-d14 (Surr)	104		42 - 157	04/03/23 09:38	04/04/23 17:32	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		03/30/23 17:01	04/03/23 20:13	1
Barium	0.32	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 20:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 20:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 20:13	1
Chromium	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:13	1
Cobalt	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:13	1
Copper	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:13	1
Iron	<0.40		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 20:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 20:13	1
Manganese	1.9		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:13	1
Nickel	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:13	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 20:13	1
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 20:13	1
Zinc	<0.50		0.50	0.020	mg/L		03/30/23 17:01	04/03/23 20:13	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.014	J	0.050	0.010	mg/L		03/30/23 17:01	04/03/23 16:44	1
Barium	0.061	J	0.50	0.050	mg/L		03/30/23 17:01	04/03/23 16:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/30/23 17:01	04/03/23 16:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/30/23 17:01	04/03/23 16:44	1
Chromium	0.035		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:44	1
Cobalt	0.014	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:44	1
Copper	0.019	J	0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:44	1
Iron	54		0.40	0.20	mg/L		03/30/23 17:01	04/03/23 16:44	1
Lead	0.025		0.0075	0.0075	mg/L		03/30/23 17:01	04/03/23 16:44	1
Manganese	0.22		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:44	1
Nickel	0.032		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:44	1
Selenium	<0.050		0.050	0.020	mg/L		03/30/23 17:01	04/03/23 16:44	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Client Sample ID: RC-2(10-15)-032323

Lab Sample ID: 500-231240-15

Date Collected: 03/23/23 23:55

Matrix: Solid

Date Received: 03/24/23 14:25

Percent Solids: 87.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		03/30/23 17:01	04/03/23 16:44	1
Zinc	0.049	J	0.50	0.020	mg/L		03/30/23 17:01	04/03/23 16:44	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2100		11	4.5	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Antimony	0.31	J	1.1	0.22	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Arsenic	3.1		0.55	0.19	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Barium	14		2.8	0.32	mg/Kg	☆	03/30/23 14:47	04/03/23 16:32	5
Beryllium	0.39		0.22	0.052	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Cadmium	0.054	J	0.11	0.020	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Calcium	150000		55	9.4	mg/Kg	☆	03/30/23 14:47	04/03/23 16:32	5
Chromium	3.4		0.55	0.27	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Cobalt	2.9		0.28	0.073	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Copper	3.9	B	0.55	0.15	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Iron	11000		55	29	mg/Kg	☆	03/30/23 14:47	04/03/23 16:32	5
Lead	5.0		0.28	0.13	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Magnesium	92000	B	28	14	mg/Kg	☆	03/30/23 14:47	04/03/23 16:32	5
Manganese	440		0.55	0.080	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Nickel	4.8		0.55	0.16	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Potassium	840		28	9.8	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Selenium	<0.55		0.55	0.33	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Silver	<0.28		0.28	0.071	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Sodium	180		55	8.2	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Thallium	<0.55		0.55	0.28	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Vanadium	5.9		0.28	0.065	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1
Zinc	14		1.1	0.49	mg/Kg	☆	03/30/23 14:47	03/31/23 23:32	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/31/23 17:00	04/03/23 12:18	1

Method: SW846 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		03/31/23 17:00	04/03/23 10:22	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.018	0.0095	mg/Kg	☆	03/29/23 15:40	03/30/23 08:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.2	0.2	SU			03/29/23 13:17	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable 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.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery 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 exceeds control 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, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent

Eurofins Chicago

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-231240-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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Chain of Custody Record

538476



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <u>A. Slezacek</u>		Site Contact: <u>C. Pave</u>		Date: <u>3-23-23</u>		COC No: <u>1</u> of <u>3</u> COCs	
Company Name: <u>Weston Solutions</u>		Tel/Email:		Lab Contact: <u>R. Wright</u>		Carrier:		Sampler:	
Address: <u>300 Knightbridge Pump St. 560</u>		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS/MSD (Y/N) VOCs SVOCs Total Metals TRLP/SRP Metals pH		500-231240 COC		For Lab Use Only	
City/State/Zip: <u>Unionville, IL 60088</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____						Walk-in Client	
Phone:		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Lab Sampling	
Fax:								Job / SDG No	
Project Name: <u>TDOT 051</u>								<u>500-231240</u>	
Site: <u>7-80</u>								Sample Specific Notes	
P O #:									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.			
1	M-13 (0-5)-032323	3-23-23	2110	G	S	6	X	X	X
2	M-14 (0-5)-032323		2130						
3	M-15 (0-5)-032323		2140						
4	M-15 (0-5)-032323D		2140						
5	M-15 (5-10)-032323		2145						
6	M-15 (10-15)-032323		2150						
7	M-15-032323		2225						
8	M-16 (0-5)-032323		2240						
9	M-16 (5-10)-032323		2245						
10	M-17 (0-5)-032323		2310						
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample							<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months		
<input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown									
Special Instructions/QC Requirements & Comments:							2.2 → 1.1, 2.4 → 1.3		
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd		Therm ID No			
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>3-24-23 1325</u>		Received by: <u>[Signature]</u>		Company: <u>EST</u> Date/Time: <u>3/24/23 1320</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EST</u>		Date/Time: <u>3/24/23 1425</u>		Received by: <u>[Signature]</u>		Company: <u>EST</u> Date/Time: <u>3/24/23 1425</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EST</u>		Date/Time: <u>3/24/23 1425</u>		Received in Laboratory by: <u>[Signature]</u>		Company: <u>EST</u> Date/Time: <u>3/24/23 1425</u>	

Chain of Custody Record

538479



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <u>A. Slesars</u>		Site Contact: <u>C. Paine</u>		Date: <u>3/23-24/23</u>		COC No	
Company Name: <u>Western Solutions</u>		Tel/Email:		Lab Contact: <u>R. Wright</u>		Carrier:		<u>2</u> of <u>3</u> COCs	
Address: <u>300 Knapford Dr, Pkwy SE 300</u>		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) <u>VOCs</u> <u>SUOCs</u> <u>Total Metals</u> <u>TALP/SALT Metals</u> <u>pH</u>				Sampler	
City/State/Zip: <u>Chickasha, OK 73008</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____						For Lab Use Only	
Phone:		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Walk-in Client	
Fax:								Lab Sampling	
Project Name: <u>RDOT 051</u>								Job / SDG No	
Site: <u>2-80</u>								<u>500-231240</u>	
P O #:								Sample Specific Notes	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.			
11	M-17(5-10)-032323	3-23-23	2320	6	S	L		X	X
12	M-17(5-10)-032323D		2320					X	X
13	RC-2(0-5)-032323		2340					X	X
14	RC-2(5-10)-032323		2350					X	X
15	RC-2(10-15)-032323		2355					X	X
16	RAW-59(0-5)-032423	3-24-23	0100						
17	RAW-60(0-5)-032423		0120						
18	RAW-60(5-10)-032423		0125						
19	RAW-57(0-5)-032423		0240						
20	RAW-58(0-5)-032423		0255						50
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months		
Special Instructions/QC Requirements & Comments:									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____			
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>3/24/23 1320</u>		Received by: <u>[Signature]</u>		Company: <u>EBTA</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EBTA</u>		Date/Time: <u>3/24/23 1425</u>		Received by: <u>[Signature]</u>		Company: <u>EBTA</u>	
Relinquished by: <u>[Signature]</u>		Company: <u>EBTA</u>		Date/Time: <u>3/24/23 1425</u>		Received by: <u>[Signature]</u>		Company: <u>EBTA</u>	



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Andris Slesers
Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Generated 4/27/2023 9:45:55 AM

JOB DESCRIPTION

IDOT - I-80, Joliet - WO 051

JOB NUMBER

500-232207-1

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-232207-1	ROW-53(10-15)-041323	Solid	04/13/23 12:20	04/13/23 18:02
500-232207-2	ROW-54(0-5)-041323	Solid	04/13/23 12:40	04/13/23 18:02
500-232207-3	ROW-55(0-5)-041323	Solid	04/13/23 13:00	04/13/23 18:02
500-232207-4	ROW-55(5-10)-041323	Solid	04/13/23 13:05	04/13/23 18:02
500-232207-5	ROW-55(10-15)-041323	Solid	04/13/23 13:10	04/13/23 18:02
500-232207-6	ROW-56(0-5)-041323	Solid	04/13/23 13:30	04/13/23 18:02
500-232207-7	ROW-56(0-5)-041323D	Solid	04/13/23 13:30	04/13/23 18:02
500-232207-8	ROW-62(0-5)-041323	Solid	04/13/23 13:50	04/13/23 18:02
500-232207-9	ROW-62(5-10)-041323	Solid	04/13/23 13:55	04/13/23 18:02
500-232207-10	ROW-62(10-15)-041323	Solid	04/13/23 14:00	04/13/23 18:02
500-232207-11	ROW-63(0-5)-041323	Solid	04/13/23 14:30	04/13/23 18:02
500-232207-12	ROW-64(0-5)-041323	Solid	04/13/23 14:50	04/13/23 18:02
500-232207-13	ROW-65(0-5)-041323	Solid	04/13/23 15:00	04/13/23 18:02
500-232207-14	ROW-65(5-10)-041323	Solid	04/13/23 15:05	04/13/23 18:02
500-232207-15	RC-6(0-5)-041323	Solid	04/13/23 15:45	04/13/23 18:02



Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: RC-6(0-5)-041323

Lab Sample ID: 500-232207-15

Date Collected: 04/13/23 15:45

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.4

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.014		0.014	0.0062	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Benzene	<0.0014		0.0014	0.00036	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Bromodichloromethane	<0.0014		0.0014	0.00029	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Bromoform	<0.0014		0.0014	0.00042	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Bromomethane	<0.0036		0.0036	0.0014	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Carbon disulfide	<0.0036		0.0036	0.00074	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Carbon tetrachloride	<0.0014		0.0014	0.00041	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Chlorobenzene	<0.0014		0.0014	0.00053	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Chloroethane	<0.0036		0.0036	0.0011	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Chloroform	<0.0014		0.0014	0.00050	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Chloromethane	<0.0036		0.0036	0.0014	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
cis-1,2-Dichloroethene	<0.0014		0.0014	0.00040	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
cis-1,3-Dichloropropene	<0.0014		0.0014	0.00043	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Dibromochloromethane	<0.0014		0.0014	0.00047	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
1,1-Dichloroethane	<0.0014		0.0014	0.00049	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
1,2-Dichloroethane	<0.0036		0.0036	0.0011	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
1,1-Dichloroethene	<0.0014		0.0014	0.00049	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
1,2-Dichloropropane	<0.0014		0.0014	0.00037	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
1,3-Dichloropropene, Total	<0.0014		0.0014	0.00050	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Ethylbenzene	<0.0014		0.0014	0.00068	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
2-Hexanone	<0.0036		0.0036	0.0011	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Methylene Chloride	<0.0036		0.0036	0.0014	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Methyl Ethyl Ketone	<0.0036		0.0036	0.0016	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
methyl isobutyl ketone	<0.0036		0.0036	0.0011	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Methyl tert-butyl ether	<0.0014		0.0014	0.00042	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Styrene	<0.0014		0.0014	0.00043	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
1,1,2,2-Tetrachloroethane	<0.0014	*3	0.0014	0.00046	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Tetrachloroethene	<0.0014		0.0014	0.00049	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Toluene	<0.0014		0.0014	0.00036	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
trans-1,2-Dichloroethene	<0.0014		0.0014	0.00063	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
trans-1,3-Dichloropropene	<0.0014		0.0014	0.00050	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
1,1,1-Trichloroethane	<0.0014		0.0014	0.00048	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
1,1,2-Trichloroethane	<0.0014		0.0014	0.00061	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Trichloroethene	<0.0014		0.0014	0.00048	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Vinyl chloride	<0.0014		0.0014	0.00063	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1
Xylenes, Total	<0.0029		0.0029	0.00046	mg/Kg	✱	04/14/23 20:00	04/20/23 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+ *3	75 - 131	04/14/23 20:00	04/20/23 13:36	1
Dibromofluoromethane (Surr)	97		75 - 126	04/14/23 20:00	04/20/23 13:36	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	04/14/23 20:00	04/20/23 13:36	1
Toluene-d8 (Surr)	107		75 - 124	04/14/23 20:00	04/20/23 13:36	1

Method: SW846 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	✱	04/25/23 13:29	04/26/23 17:50	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	✱	04/25/23 13:29	04/26/23 17:50	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	✱	04/25/23 13:29	04/26/23 17:50	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	✱	04/25/23 13:29	04/26/23 17:50	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	✱	04/25/23 13:29	04/26/23 17:50	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: RC-6(0-5)-041323

Lab Sample ID: 500-232207-15

Date Collected: 04/13/23 15:45

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.4

Method: SW846 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	✳	04/25/23 13:29	04/26/23 17:50	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Benzo[a]pyrene	<0.038		0.038	0.0075	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Benzo[b]fluoranthene	<0.038		0.038	0.0083	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Benzo[g,h,i]perylene	0.023	J	0.038	0.012	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Carbazole	<0.19		0.19	0.096	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Chrysene	<0.038		0.038	0.011	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0075	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Fluoranthene	<0.038		0.038	0.0072	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	✳	04/25/23 13:29	04/26/23 17:50	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: RC-6(0-5)-041323

Lab Sample ID: 500-232207-15

Date Collected: 04/13/23 15:45

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.4

Method: SW846 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	☼	04/25/23 13:29	04/26/23 17:50	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	04/25/23 13:29	04/26/23 17:50	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	04/25/23 13:29	04/26/23 17:50	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	04/25/23 13:29	04/26/23 17:50	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	04/25/23 13:29	04/26/23 17:50	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	04/25/23 13:29	04/26/23 17:50	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	04/25/23 13:29	04/26/23 17:50	1
Phenanthrene	0.025	J	0.038	0.0054	mg/Kg	☼	04/25/23 13:29	04/26/23 17:50	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	04/25/23 13:29	04/26/23 17:50	1
Pyrene	<0.038		0.038	0.0077	mg/Kg	☼	04/25/23 13:29	04/26/23 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	52		31 - 143	04/25/23 13:29	04/26/23 17:50	1
2-Fluorobiphenyl (Surr)	67		43 - 145	04/25/23 13:29	04/26/23 17:50	1
2-Fluorophenol (Surr)	61		31 - 166	04/25/23 13:29	04/26/23 17:50	1
Nitrobenzene-d5 (Surr)	71		37 - 147	04/25/23 13:29	04/26/23 17:50	1
Phenol-d5 (Surr)	60		30 - 153	04/25/23 13:29	04/26/23 17:50	1
Terphenyl-d14 (Surr)	81		42 - 157	04/25/23 13:29	04/26/23 17:50	1

Method: SW846 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:10	04/19/23 21:17	1
Barium	0.46	J	0.50	0.050	mg/L		04/18/23 17:10	04/19/23 21:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:10	04/19/23 21:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:10	04/19/23 21:17	1
Chromium	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:17	1
Cobalt	0.024	J	0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:17	1
Copper	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:17	1
Iron	<0.40		0.40	0.20	mg/L		04/18/23 17:10	04/19/23 21:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:10	04/19/23 21:17	1
Manganese	3.0		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:17	1
Nickel	0.027		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:17	1
Selenium	0.021	J	0.050	0.020	mg/L		04/18/23 17:10	04/19/23 21:17	1
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:10	04/19/23 21:17	1
Zinc	<0.50		0.50	0.020	mg/L		04/18/23 17:10	04/19/23 21:17	1

Method: SW846 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/18/23 17:11	04/25/23 01:31	1
Barium	0.064	J	0.50	0.050	mg/L		04/18/23 17:11	04/25/23 01:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/18/23 17:11	04/25/23 01:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/18/23 17:11	04/25/23 01:31	1
Chromium	0.017	J	0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:31	1
Cobalt	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:31	1
Copper	0.012	J	0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:31	1
Iron	12		0.40	0.20	mg/L		04/18/23 17:11	04/25/23 01:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/18/23 17:11	04/25/23 01:31	1
Manganese	0.14		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:31	1
Nickel	0.013	J	0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:31	1
Selenium	<0.050		0.050	0.020	mg/L		04/18/23 17:11	04/25/23 01:31	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Client Sample ID: RC-6(0-5)-041323

Lab Sample ID: 500-232207-15

Date Collected: 04/13/23 15:45

Matrix: Solid

Date Received: 04/13/23 18:02

Percent Solids: 84.4

Method: SW846 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/18/23 17:11	04/25/23 01:31	1
Zinc	0.025	J	0.50	0.020	mg/L		04/18/23 17:11	04/25/23 01:31	1

Method: SW846 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		11	4.4	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Antimony	0.36	J	1.1	0.21	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Arsenic	7.1		0.54	0.18	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Barium	42	B	0.54	0.062	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Beryllium	0.76	B	0.22	0.050	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Cadmium	0.12	B	0.11	0.019	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Calcium	69000	B	54	9.1	mg/Kg	☆	04/20/23 09:34	04/25/23 15:18	5
Chromium	14		0.54	0.27	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Cobalt	12		0.27	0.071	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Copper	20		0.54	0.15	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Iron	19000		11	5.6	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Lead	12		0.27	0.12	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Magnesium	31000		5.4	2.7	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Manganese	420		0.54	0.078	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Nickel	30		0.54	0.16	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Potassium	2600		27	9.5	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Selenium	<0.54		0.54	0.32	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Silver	0.23	J	0.27	0.070	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Sodium	620		54	8.0	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Thallium	0.83		0.54	0.27	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Vanadium	18	B	0.27	0.064	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1
Zinc	53		1.1	0.47	mg/Kg	☆	04/20/23 09:34	04/24/23 22:37	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		04/18/23 15:10	04/19/23 10:11	1

Method: SW846 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		04/18/23 15:10	04/19/23 12:31	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.018	0.0096	mg/Kg	☆	04/21/23 15:35	04/24/23 08:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.1		0.2	0.2	SU			04/19/23 15:44	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	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.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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.
S1-	Surrogate recovery exceeds control limits, low biased.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - I-80, Joliet - WO 051

Job ID: 500-232207-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-23

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

Chain of Custody Record

538483



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact Company Name: <u>Western Solutions</u> Address: <u>300 Knightbridge Plany</u> City/State/Zip: <u>Medford, OR</u> Phone: _____ Fax: _____ Project Name: <u>2205 05</u> Site: <u>280</u> P O #: _____		Project Manager: <u>A. Slesers</u> Tel/Email: _____		Site Contact: <u>C. Penn</u> Lab Contact: <u>R Wright</u>		Date: <u>4/13/23</u> Carrier: _____		COC No: _____ 3 of 4 COCs Sampler: _____ For Lab Use Only: Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/> Job / SDG No: <u>500-232207</u>						
Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Sample Identification 500-232207 Waybi		Sample Date Sample Time Sample Type (C=Comp, G=Grab) Matrix # of Cont.		Filtered Sample (Y/N) Perform MS /MSD (Y/N) VOCs SVOCs Total Metals TCLP / SPC Metals pH		Sample Specific Notes						
1	Row-53 (10-5) -041323	4/13/23	1220	G	S	G		X	X	X	X	X		
2	Row-54 (0-5) -041323		1240											
3	Row-55 (0-5) -041323		1300											
4	Row-55 (5-10) -041323		1305											
5	Row-55 (10-15) -041323		1310											
6	Row-56 (0-5) -041323		1330											
7	Row-56 (0-5) -041323D		1330											
8	Row-62 (0-5) -041323		1350											
9	Row-62 (5-10) -041323		1355											
10	Row-62 (10-15) -041323		1400											
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other				Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months						
Special Instructions/QC Requirements & Comments: <p style="text-align: center;">5.8 → 4.7, 5.5 → 4.4, 5.8 → 4.7</p>														
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No. _____		Cooler Temp. (°C): Obs'd _____ Corr'd _____		Therm ID No _____								
Relinquished by: <u>[Signature]</u>		Company: <u>WS</u>		Date/Time: <u>4/13/23 1645</u>		Received by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1645</u>				
Relinquished by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1802</u>		Received by: _____		Company: _____		Date/Time: _____				
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: <u>[Signature]</u>		Company: <u>EETA</u>		Date/Time: <u>4/13/23 1802</u>				

Chain of Custody Record 641360



Environment Testing
America

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager: <i>A. Steiner</i>		Site Contact: <i>Alan</i>		Date: <i>4.13.23</i>		COC No			
Company Name <i>W. J. Sullivan</i>		Tel/Email:		Lab Contact: <i>R. W. F. M.</i>		Carrier		4 of 4 COCs			
Address <i>380 Knightbridge Pkwy</i>		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day									
City/State/Zip <i>Chesham, DC</i>											
Phone											
Fax											
Project Name <i>RDOT 051</i>											
Site <i>P 30</i>		P O #		Filtered Sample (Y/N) Perform MS / MSD (Y/N) <i>NOES</i> <i>SUES</i> <i>Total Metals</i> <i>TECP / SDP metals</i> <i>PTH</i>		Sampler		For Lab Use Only			
Walk-in Client		Lab Sampling				Job / SDG No		500-232207			
Sample Identification		Sample Date				Sample Time		Sample Type (C=Comp, G=Grab)		Matrix	
# of Cont.		Filtered Sample (Y/N)				Perform MS / MSD (Y/N)		Sample Specific Notes			
11		12				13		14		15	
Row-63 (0-5)-041323		4.13.23		1430		G		S			
Row-64 (0-5)-041323		↓		1450		↓		↓			
Row-65 (0-5)-041323		↓		1500		↓		↓			
Row-65 (5-10)-041323		↓		1505		↓		↓			
RC-6 (0-5)-041323		↓		1545		↓		↓			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other											
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months						
Special Instructions/QC Requirements & Comments:											
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____					
Relinquished by: <i>[Signature]</i>		Company: <i>NS</i>		Date/Time: <i>4.13.23/1802</i>		Received by: <i>M. J. Ellison</i>		Company: <i>EETA</i>			
Relinquished by: <i>M. J. Ellison</i>		Company: <i>EETA</i>		Date/Time: <i>4/13/23</i>		Received by: <i>[Signature]</i>		Company: <i>EETA</i>			
Relinquished by: <i>[Signature]</i>		Company: <i>EETA</i>		Date/Time: <i>4/13/23</i>		Received in Laboratory by: <i>[Signature]</i>		Company: <i>EETA</i>			