



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 55 - I-55 N. Frontage Road - Darien, IL Office Phone Number, if available: _____

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

FAI 55 - I-55 N. Frontage Road at Cass Avenue (including ISGS Site No. 2670-1 and 2670-649)

City: Darien State: IL Zip Code: _____

County: DuPage Township: _____

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

Latitude: 41.73304 Longitude: - 87.97459
(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.): 796

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: 847-705-4627

Contact: Vanessa Ruiz

Email, if available: Vanessa.Ruiz@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: 847-705-4627

Contact: Vanessa Ruiz

Email, if available: Vanessa.Ruiz@illinois.gov

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

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS ROW-1, ROW-5, AND ROW-6 WERE SAMPLED ALONG I-55 N. FRONTAGE ROAD AND ISGS SITES 2670-1 AND 2670-649. SEE FIGURE 3-1, 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: 500-238448-1. ALSO SEE FIGURE 4-1 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))

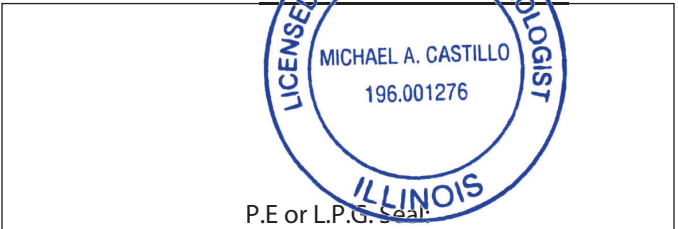
Company Name: Weston Solutions, Inc.
Street Address: 300 Knightsbridge Parkway; Suite 360
City: Lincolnshire State: IL Zip Code: 60069
Phone: (224) 864-7200

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

Michael A. Castillo

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

3 October 2023
Date:



Summary Table
FAI 55 - I-55 N. Frontage Road at Cass Avenue
Darien, DuPage County, Illinois

Location	Reference Concentrations (MAC Table)	ROW-1	ROW-5	ROW-6
Field Sample ID		8/21/2023	8/21/2023	8/21/2023
Sample Date		ROW-1(0-5)-082123	ROW-5(0-5)-082123	ROW-6(0-5)-082123
ISGS Site No		2670-1	2670-649	2670-649
Laboratory pH	<6.25,>9.0	8.4	7.3	7.3
VOCs (mg/kg)		No Exceedances		
SVOCs (mg/kg)		No Exceedances		
Total Metals (mg/kg)				
Aluminum, Total	---	8500	14000	11000
Antimony, Total	5	0.58 J	0.35 J	0.34 J
Arsenic, Total	11.3 / 13.0	9.5	12	8
Barium, Total	1500	36	73	42
Beryllium, Total	22	0.65	0.84	0.73
Cadmium, Total	5.2	0.3 J	0.19 J	0.31 J
Calcium, Total	---	98000 B	25000	68000 B
Chromium, Total	21	12	17	14
Cobalt, Total	20	10	13	11
Copper, Total	2900	30 B	20 B	29 B
Iron, Total	15000 / 15900	24000	24000 B	19000 B
Lead, Total	107	15	18	20
Magnesium, Total	325000	56000 B	15000	28000
Manganese, Total	630 / 636	360 B	320 B	300 B
Mercury, Total	0.89	0.019	0.035	0.042
Nickel, Total	100	26	25	25
Potassium, Total	---	2000	1800	2100
Selenium, Total	1.3	0.45 J	0.55 J	0.41 J
Silver, Total	4.4	0.44 J	0.43	ND
Sodium, Total	---	950	1200	1300
Thallium, Total	2.6	ND	ND	ND
Vanadium, Total	550	16	27	20
Zinc, Total	5100	66 B	66 B	74 B
TCLP Metals (mg/l)				
Arsenic, TCLP	0.05	ND	ND	ND
Barium, TCLP	2	0.24 J	0.67	0.64
Beryllium, TCLP	0.004	ND	ND	ND
Cadmium, TCLP	0.005	0.0035 J	0.0026 J	0.0022 J
Chromium, TCLP	0.1	ND	ND	ND
Cobalt, TCLP	1	ND	0.016 J	0.031
Copper, TCLP	0.65	ND	ND	ND
Iron, TCLP	5	ND	0.96	0.51
Lead, TCLP	0.0075	ND	ND	ND
Manganese, TCLP	0.15	1.9	15	10
Mercury, TCLP	0.002	ND	ND	ND
Nickel, TCLP	0.1	0.016 J	0.014 J	0.012 J
Selenium, TCLP	0.05	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND
Zinc, TCLP	5	ND	0.022 J	0.028 J
SPLP Metals (mg/l)				
Arsenic, SPLP	0.05	0.12	0.1	0.077
Barium, SPLP	2	0.53	0.95	0.69
Beryllium, SPLP	0.004	0.01	0.011	0.0085
Cadmium, SPLP	0.005	0.003 J	ND	ND
Chromium, SPLP	0.1	0.17	0.22	0.17
Cobalt, SPLP	1	0.086	0.064	0.058
Copper, SPLP	0.65	0.33	0.2	0.17
Iron, SPLP	5	240 J	260 J	160 J
Lead, SPLP	0.0075	0.13	0.12	0.13
Manganese, SPLP	0.15	1.6	1.4	1.1
Mercury, SPLP	0.002	ND	ND	ND
Nickel, SPLP	0.1	0.3	0.19	0.16
Selenium, SPLP	0.05	ND	ND	ND
Silver, SPLP	0.05	0.011 J	0.011 J	ND
Zinc, SPLP	5	0.72 J	0.55 J	0.38 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

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JOB DESCRIPTION

IDOT - FAI 55 - I-55 WO 058

JOB NUMBER

500-238448-1


Eurofins Chicago

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization



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Authorized for release by
Jim Knapp, Project Manager II
Jim.Knapp@et.eurofinsus.com
(630)758-0262

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAI 55 - I-55 WO 058

Job ID: 500-238448-1

Client Sample ID: ROW-1(0-5)-082123

Lab Sample ID: 500-238448-1

Date Collected: 08/21/23 09:30

Matrix: Solid

Date Received: 08/21/23 13:30

Percent Solids: 86.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017	*1	0.017	0.0073	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Chlorobenzene	<0.0017		0.0017	0.00062	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Chloroethane	<0.0042		0.0042	0.0012	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00072	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	08/21/23 15:33	08/23/23 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		75 - 131	08/21/23 15:33	08/23/23 22:09	1
Dibromofluoromethane (Surr)	94		75 - 126	08/21/23 15:33	08/23/23 22:09	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	08/21/23 15:33	08/23/23 22:09	1
Toluene-d8 (Surr)	100		75 - 124	08/21/23 15:33	08/23/23 22:09	1

Method: SW846 8270E - 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	☼	08/22/23 07:37	08/24/23 18:40	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1

Eurolins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAI 55 - I-55 WO 058

Job ID: 500-238448-1

Client Sample ID: ROW-1(0-5)-082123

Lab Sample ID: 500-238448-1

Date Collected: 08/21/23 09:30

Matrix: Solid

Date Received: 08/21/23 13:30

Percent Solids: 86.8

Method: SW846 8270E - 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	☼	08/22/23 07:37	08/24/23 18:40	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
2,4-Dichlorophenol	<0.37		0.37	0.090	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
2,4-Dimethylphenol	<0.37	*	0.37	0.14	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Benzo[a]anthracene	<0.037		0.037	0.0051	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Benzo[a]pyrene	0.043		0.037	0.0073	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Benzo[b]fluoranthene	0.024 J		0.037	0.0081	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Benzo[g,h,i]perylene	0.017 J		0.037	0.012	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Chrysene	<0.037		0.037	0.010	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Fluoranthene	<0.037		0.037	0.0070	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	08/22/23 07:37	08/24/23 18:40	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAI 55 - I-55 WO 058

Job ID: 500-238448-1

Client Sample ID: ROW-1(0-5)-082123

Lab Sample ID: 500-238448-1

Date Collected: 08/21/23 09:30

Matrix: Solid

Date Received: 08/21/23 13:30

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.033	J	0.037	0.0098	mg/Kg	✳	08/22/23 07:37	08/24/23 18:40	1
Isophorone	<0.19		0.19	0.042	mg/Kg	✳	08/22/23 07:37	08/24/23 18:40	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	✳	08/22/23 07:37	08/24/23 18:40	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	✳	08/22/23 07:37	08/24/23 18:40	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	✳	08/22/23 07:37	08/24/23 18:40	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	✳	08/22/23 07:37	08/24/23 18:40	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	✳	08/22/23 07:37	08/24/23 18:40	1
Phenanthrene	<0.037		0.037	0.0053	mg/Kg	✳	08/22/23 07:37	08/24/23 18:40	1
Phenol	<0.19		0.19	0.084	mg/Kg	✳	08/22/23 07:37	08/24/23 18:40	1
Pyrene	<0.037		0.037	0.0075	mg/Kg	✳	08/22/23 07:37	08/24/23 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	72		31 - 166	08/22/23 07:37	08/24/23 18:40	1
Phenol-d5 (Surr)	72		30 - 153	08/22/23 07:37	08/24/23 18:40	1
Nitrobenzene-d5 (Surr)	58		37 - 147	08/22/23 07:37	08/24/23 18:40	1
2-Fluorobiphenyl (Surr)	63		43 - 145	08/22/23 07:37	08/24/23 18:40	1
2,4,6-Tribromophenol (Surr)	47		31 - 143	08/22/23 07:37	08/24/23 18:40	1
Terphenyl-d14 (Surr)	90		42 - 157	08/22/23 07:37	08/24/23 18:40	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8500		11	4.4	mg/Kg	✳	08/24/23 11:02	08/28/23 17:51	1
Antimony	0.58	J	1.1	0.21	mg/Kg	✳	08/24/23 11:02	08/28/23 17:51	1
Arsenic	9.5		0.54	0.19	mg/Kg	✳	08/24/23 11:02	08/28/23 17:51	1
Barium	36		2.7	0.31	mg/Kg	✳	08/24/23 11:02	08/29/23 20:15	5
Beryllium	0.65		0.22	0.051	mg/Kg	✳	08/24/23 11:02	08/28/23 17:51	1
Cadmium	0.30	B	0.11	0.019	mg/Kg	✳	08/24/23 11:02	08/28/23 17:51	1
Calcium	98000	B	54	9.2	mg/Kg	✳	08/24/23 11:02	08/29/23 20:15	5
Chromium	12		0.54	0.27	mg/Kg	✳	08/24/23 11:02	08/28/23 17:51	1
Cobalt	10		0.27	0.071	mg/Kg	✳	08/24/23 11:02	08/28/23 17:51	1
Copper	30	B	0.54	0.15	mg/Kg	✳	08/24/23 11:02	08/28/23 17:51	1
Iron	24000		54	28	mg/Kg	✳	08/24/23 11:02	08/29/23 20:15	5
Lead	15		0.27	0.12	mg/Kg	✳	08/24/23 11:02	08/28/23 17:51	1
Magnesium	56000	B	27	13	mg/Kg	✳	08/24/23 11:02	08/29/23 20:15	5
Manganese	360	B	0.54	0.078	mg/Kg	✳	08/24/23 11:02	08/28/23 17:51	1
Nickel	26		0.54	0.16	mg/Kg	✳	08/24/23 11:02	08/28/23 17:51	1
Potassium	2000		27	9.6	mg/Kg	✳	08/24/23 11:02	08/28/23 17:51	1
Selenium	0.45	J	0.54	0.32	mg/Kg	✳	08/24/23 11:02	08/28/23 17:51	1
Silver	0.44	J	1.4	0.35	mg/Kg	✳	08/24/23 11:02	08/29/23 20:15	5
Sodium	950		270	40	mg/Kg	✳	08/24/23 11:02	08/29/23 20:15	5
Thallium	<0.54		0.54	0.27	mg/Kg	✳	08/24/23 11:02	08/28/23 17:51	1
Vanadium	16		0.27	0.064	mg/Kg	✳	08/24/23 11:02	08/28/23 17:51	1
Zinc	66	B	1.1	0.47	mg/Kg	✳	08/24/23 11:02	08/28/23 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/30/23 20:38	09/05/23 11:50	1
Barium	0.24	J	0.50	0.050	mg/L		08/30/23 20:38	08/31/23 11:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/30/23 20:38	08/31/23 11:46	1
Cadmium	0.0035	J	0.0050	0.0020	mg/L		08/30/23 20:38	08/31/23 11:46	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAI 55 - I-55 WO 058

Job ID: 500-238448-1

Client Sample ID: ROW-1(0-5)-082123

Lab Sample ID: 500-238448-1

Date Collected: 08/21/23 09:30

Matrix: Solid

Date Received: 08/21/23 13:30

Percent Solids: 86.8

Method: SW846 6010D - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		08/30/23 20:38	08/31/23 11:46	1
Cobalt	<0.025		0.025	0.010	mg/L		08/30/23 20:38	08/31/23 11:46	1
Copper	<0.025		0.025	0.010	mg/L		08/30/23 20:38	08/31/23 11:46	1
Iron	<0.40		0.40	0.20	mg/L		08/30/23 20:38	09/05/23 11:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/30/23 20:38	08/31/23 11:46	1
Manganese	1.9		0.025	0.010	mg/L		08/30/23 20:38	08/31/23 11:46	1
Nickel	0.016	J	0.025	0.010	mg/L		08/30/23 20:38	08/31/23 11:46	1
Selenium	<0.050		0.050	0.020	mg/L		08/30/23 20:38	09/01/23 15:00	1
Silver	<0.025		0.025	0.010	mg/L		08/30/23 20:38	09/05/23 11:50	1
Zinc	<0.50		0.50	0.020	mg/L		08/30/23 20:38	08/31/23 11:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.12		0.050	0.010	mg/L		09/05/23 19:27	09/06/23 13:07	1
Barium	0.53		0.50	0.050	mg/L		09/05/23 19:27	09/06/23 13:07	1
Beryllium	0.010		0.0040	0.0040	mg/L		09/05/23 19:27	09/06/23 13:07	1
Cadmium	0.0030	J	0.0050	0.0020	mg/L		09/05/23 19:27	09/06/23 13:07	1
Chromium	0.17		0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:07	1
Cobalt	0.086		0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:07	1
Copper	0.33		0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:07	1
Iron	240		0.40	0.20	mg/L		09/05/23 19:27	09/06/23 13:07	1
Lead	0.13		0.0075	0.0075	mg/L		09/05/23 19:27	09/06/23 13:07	1
Manganese	1.6		0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:07	1
Nickel	0.30		0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:07	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/23 19:27	09/06/23 13:07	1
Silver	0.011	J	0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:07	1
Zinc	0.72		0.50	0.020	mg/L		09/05/23 19:27	09/06/23 13:07	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		08/25/23 14:20	08/28/23 09:02	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		08/28/23 12:35	08/29/23 08:51	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.017	0.0091	mg/Kg	☼	08/28/23 16:30	08/29/23 08:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4		0.2	0.2	SU			08/25/23 06:25	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAI 55 - I-55 WO 058

Job ID: 500-238448-1

Client Sample ID: ROW-5(0-5)-082123

Lab Sample ID: 500-238448-5

Date Collected: 08/21/23 10:10

Matrix: Solid

Date Received: 08/21/23 13:30

Percent Solids: 80.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.015	J*1	0.021	0.0091	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Benzene	<0.0021		0.0021	0.00053	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Bromodichloromethane	<0.0021		0.0021	0.00043	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Bromoform	<0.0021		0.0021	0.00061	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Bromomethane	<0.0052		0.0052	0.0020	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Carbon disulfide	<0.0052		0.0052	0.0011	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Carbon tetrachloride	<0.0021		0.0021	0.00061	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Chlorobenzene	<0.0021		0.0021	0.00077	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Chloroethane	<0.0052		0.0052	0.0015	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Chloroform	<0.0021		0.0021	0.00073	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Chloromethane	<0.0052		0.0052	0.0021	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
cis-1,2-Dichloroethene	<0.0021		0.0021	0.00058	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
cis-1,3-Dichloropropene	<0.0021		0.0021	0.00063	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Dibromochloromethane	<0.0021		0.0021	0.00068	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
1,1-Dichloroethane	<0.0021		0.0021	0.00072	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
1,2-Dichloroethane	<0.0052		0.0052	0.0016	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
1,1-Dichloroethene	<0.0021		0.0021	0.00072	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
1,2-Dichloropropane	<0.0021		0.0021	0.00054	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
1,3-Dichloropropene, Total	<0.0021		0.0021	0.00073	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Ethylbenzene	<0.0021		0.0021	0.0010	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
2-Hexanone	<0.0052		0.0052	0.0016	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Methylene Chloride	<0.0052		0.0052	0.0021	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Methyl Ethyl Ketone	<0.0052		0.0052	0.0023	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
methyl isobutyl ketone	<0.0052		0.0052	0.0015	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Methyl tert-butyl ether	<0.0021		0.0021	0.00061	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Styrene	<0.0021		0.0021	0.00063	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
1,1,2,2-Tetrachloroethane	<0.0021		0.0021	0.00067	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Tetrachloroethene	<0.0021		0.0021	0.00071	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Toluene	<0.0021		0.0021	0.00053	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
trans-1,2-Dichloroethene	<0.0021		0.0021	0.00093	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
trans-1,3-Dichloropropene	<0.0021		0.0021	0.00073	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
1,1,1-Trichloroethane	<0.0021		0.0021	0.00070	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
1,1,2-Trichloroethane	<0.0021		0.0021	0.00090	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Trichloroethene	<0.0021		0.0021	0.00071	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Vinyl chloride	<0.0021		0.0021	0.00093	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1
Xylenes, Total	<0.0042		0.0042	0.00067	mg/Kg	☼	08/21/23 15:33	08/23/23 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		75 - 131	08/21/23 15:33	08/23/23 23:44	1
Dibromofluoromethane (Surr)	96		75 - 126	08/21/23 15:33	08/23/23 23:44	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	08/21/23 15:33	08/23/23 23:44	1
Toluene-d8 (Surr)	99		75 - 124	08/21/23 15:33	08/23/23 23:44	1

Method: SW846 8270E - 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	☼	08/22/23 07:37	08/24/23 14:02	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
1,4-Dichlorobenzene	<0.21		0.21	0.052	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAI 55 - I-55 WO 058

Job ID: 500-238448-1

Client Sample ID: ROW-5(0-5)-082123

Lab Sample ID: 500-238448-5

Date Collected: 08/21/23 10:10

Matrix: Solid

Date Received: 08/21/23 13:30

Percent Solids: 80.7

Method: SW846 8270E - 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	☼	08/22/23 07:37	08/24/23 14:02	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
2,4-Dimethylphenol	<0.41	*-	0.41	0.16	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
2,4-Dinitrophenol	<0.82		0.82	0.72	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
2,6-Dinitrotoluene	<0.21		0.21	0.080	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Acenaphthene	<0.041		0.041	0.0073	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Anthracene	<0.041		0.041	0.0068	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Benzo[a]anthracene	<0.041		0.041	0.0055	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Benzo[a]pyrene	<0.041		0.041	0.0079	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Benzo[b]fluoranthene	<0.041		0.041	0.0088	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Benzo[g,h,i]perylene	<0.041		0.041	0.013	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Benzo[k]fluoranthene	<0.041		0.041	0.012	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Carbazole	<0.21		0.21	0.10	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Chrysene	<0.041		0.041	0.011	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Dibenz(a,h)anthracene	<0.041		0.041	0.0079	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Dimethyl phthalate	<0.21		0.21	0.053	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Fluoranthene	<0.041		0.041	0.0076	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Fluorene	<0.041		0.041	0.0057	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Hexachlorobenzene	<0.082		0.082	0.0095	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Hexachlorocyclopentadiene	<0.82		0.82	0.24	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	☼	08/22/23 07:37	08/24/23 14:02	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAI 55 - I-55 WO 058

Job ID: 500-238448-1

Client Sample ID: ROW-5(0-5)-082123

Lab Sample ID: 500-238448-5

Date Collected: 08/21/23 10:10

Matrix: Solid

Date Received: 08/21/23 13:30

Percent Solids: 80.7

Method: SW846 8270E - 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	☆	08/22/23 07:37	08/24/23 14:02	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☆	08/22/23 07:37	08/24/23 14:02	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☆	08/22/23 07:37	08/24/23 14:02	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☆	08/22/23 07:37	08/24/23 14:02	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☆	08/22/23 07:37	08/24/23 14:02	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☆	08/22/23 07:37	08/24/23 14:02	1
Pentachlorophenol	<0.82		0.82	0.66	mg/Kg	☆	08/22/23 07:37	08/24/23 14:02	1
Phenanthrene	<0.041		0.041	0.0057	mg/Kg	☆	08/22/23 07:37	08/24/23 14:02	1
Phenol	<0.21		0.21	0.091	mg/Kg	☆	08/22/23 07:37	08/24/23 14:02	1
Pyrene	<0.041		0.041	0.0081	mg/Kg	☆	08/22/23 07:37	08/24/23 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	67		31 - 166	08/22/23 07:37	08/24/23 14:02	1
Phenol-d5 (Surr)	57		30 - 153	08/22/23 07:37	08/24/23 14:02	1
Nitrobenzene-d5 (Surr)	40		37 - 147	08/22/23 07:37	08/24/23 14:02	1
2-Fluorobiphenyl (Surr)	42	S1-	43 - 145	08/22/23 07:37	08/24/23 14:02	1
2,4,6-Tribromophenol (Surr)	36		31 - 143	08/22/23 07:37	08/24/23 14:02	1
Terphenyl-d14 (Surr)	56		42 - 157	08/22/23 07:37	08/24/23 14:02	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		12	4.9	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Antimony	0.35	J	1.2	0.23	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Arsenic	12		0.59	0.20	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Barium	73		0.59	0.068	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Beryllium	0.84		0.24	0.055	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Cadmium	0.19	B	0.12	0.021	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Calcium	25000		12	2.0	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Chromium	17		0.59	0.29	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Cobalt	13		0.30	0.078	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Copper	20	B	0.59	0.17	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Iron	24000	B	12	6.2	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Lead	18		0.30	0.14	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Magnesium	15000		5.9	2.9	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Manganese	320	B	0.59	0.086	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Nickel	25		0.59	0.17	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Potassium	1800		30	11	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Selenium	0.55	J	0.59	0.35	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Silver	0.43		0.30	0.077	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Sodium	1200		59	8.8	mg/Kg	☆	08/24/23 11:02	08/29/23 20:29	1
Thallium	<0.59		0.59	0.30	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Vanadium	27		0.30	0.070	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1
Zinc	66	B	1.2	0.52	mg/Kg	☆	08/24/23 11:02	08/28/23 18:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/30/23 20:38	09/05/23 12:08	1
Barium	0.67		0.50	0.050	mg/L		08/30/23 20:38	08/31/23 11:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/30/23 20:38	08/31/23 11:57	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		08/30/23 20:38	08/31/23 11:57	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAI 55 - I-55 WO 058

Job ID: 500-238448-1

Client Sample ID: ROW-5(0-5)-082123

Lab Sample ID: 500-238448-5

Date Collected: 08/21/23 10:10

Matrix: Solid

Date Received: 08/21/23 13:30

Percent Solids: 80.7

Method: SW846 6010D - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		08/30/23 20:38	08/31/23 11:57	1
Cobalt	0.016	J	0.025	0.010	mg/L		08/30/23 20:38	08/31/23 11:57	1
Copper	<0.025		0.025	0.010	mg/L		08/30/23 20:38	08/31/23 11:57	1
Iron	0.96		0.40	0.20	mg/L		08/30/23 20:38	09/05/23 12:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/30/23 20:38	08/31/23 11:57	1
Manganese	15		0.025	0.010	mg/L		08/30/23 20:38	08/31/23 11:57	1
Nickel	0.014	J	0.025	0.010	mg/L		08/30/23 20:38	08/31/23 11:57	1
Selenium	<0.050		0.050	0.020	mg/L		08/30/23 20:38	09/01/23 15:11	1
Silver	<0.025		0.025	0.010	mg/L		08/30/23 20:38	09/05/23 12:08	1
Zinc	0.022	J	0.50	0.020	mg/L		08/30/23 20:38	08/31/23 11:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.10		0.050	0.010	mg/L		09/05/23 19:27	09/06/23 13:21	1
Barium	0.95		0.50	0.050	mg/L		09/05/23 19:27	09/06/23 13:21	1
Beryllium	0.011		0.0040	0.0040	mg/L		09/05/23 19:27	09/06/23 13:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/23 19:27	09/06/23 13:21	1
Chromium	0.22		0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:21	1
Cobalt	0.064		0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:21	1
Copper	0.20		0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:21	1
Iron	260		0.40	0.20	mg/L		09/05/23 19:27	09/06/23 13:21	1
Lead	0.12		0.0075	0.0075	mg/L		09/05/23 19:27	09/06/23 13:21	1
Manganese	1.4		0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:21	1
Nickel	0.19		0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:21	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/23 19:27	09/06/23 13:21	1
Silver	0.011	J	0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:21	1
Zinc	0.55		0.50	0.020	mg/L		09/05/23 19:27	09/06/23 13:21	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		08/25/23 14:20	08/28/23 09:08	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		08/28/23 12:35	08/29/23 09:07	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.020	0.011	mg/Kg	☼	08/28/23 16:30	08/29/23 08:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.2	0.2	SU			08/25/23 06:37	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAI 55 - I-55 WO 058

Job ID: 500-238448-1

Client Sample ID: ROW-6(0-5)-082123

Lab Sample ID: 500-238448-6

Date Collected: 08/21/23 10:20

Matrix: Solid

Date Received: 08/21/23 13:30

Percent Solids: 81.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018	*1	0.018	0.0080	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Carbon disulfide	<0.0046		0.0046	0.00095	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Chloromethane	<0.0046		0.0046	0.0018	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
1,1-Dichloroethane	<0.0018		0.0018	0.00063	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Ethylbenzene	<0.0018		0.0018	0.00088	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0020	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	☼	08/21/23 15:33	08/24/23 00:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		75 - 131	08/21/23 15:33	08/24/23 00:07	1
Dibromofluoromethane (Surr)	95		75 - 126	08/21/23 15:33	08/24/23 00:07	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	08/21/23 15:33	08/24/23 00:07	1
Toluene-d8 (Surr)	101		75 - 124	08/21/23 15:33	08/24/23 00:07	1

Method: SW846 8270E - 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	☼	08/22/23 07:37	08/24/23 13:37	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAI 55 - I-55 WO 058

Job ID: 500-238448-1

Client Sample ID: ROW-6(0-5)-082123

Lab Sample ID: 500-238448-6

Date Collected: 08/21/23 10:20

Matrix: Solid

Date Received: 08/21/23 13:30

Percent Solids: 81.7

Method: SW846 8270E - 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	☼	08/22/23 07:37	08/24/23 13:37	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
2,4-Dimethylphenol	<0.40	*-	0.40	0.15	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
2,4-Dinitrophenol	<0.80		0.80	0.70	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
2,6-Dinitrotoluene	<0.20		0.20	0.078	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
2-Methylnaphthalene	<0.080		0.080	0.0073	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
4,6-Dinitro-2-methylphenol	<0.80		0.80	0.32	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
4-Chloroaniline	<0.80		0.80	0.19	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
4-Nitrophenol	<0.80		0.80	0.38	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Benzo[a]pyrene	<0.040		0.040	0.0077	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Benzo[b]fluoranthene	<0.040		0.040	0.0086	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Fluoranthene	<0.040		0.040	0.0074	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Hexachlorobenzene	<0.080		0.080	0.0092	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Hexachlorocyclopentadiene	<0.80		0.80	0.23	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	08/22/23 07:37	08/24/23 13:37	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAI 55 - I-55 WO 058

Job ID: 500-238448-1

Client Sample ID: ROW-6(0-5)-082123

Lab Sample ID: 500-238448-6

Date Collected: 08/21/23 10:20

Matrix: Solid

Date Received: 08/21/23 13:30

Percent Solids: 81.7

Method: SW846 8270E - 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	☆	08/22/23 07:37	08/24/23 13:37	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☆	08/22/23 07:37	08/24/23 13:37	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☆	08/22/23 07:37	08/24/23 13:37	1
Nitrobenzene	<0.040		0.040	0.0099	mg/Kg	☆	08/22/23 07:37	08/24/23 13:37	1
N-Nitrosodi-n-propylamine	<0.080		0.080	0.049	mg/Kg	☆	08/22/23 07:37	08/24/23 13:37	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☆	08/22/23 07:37	08/24/23 13:37	1
Pentachlorophenol	<0.80		0.80	0.64	mg/Kg	☆	08/22/23 07:37	08/24/23 13:37	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☆	08/22/23 07:37	08/24/23 13:37	1
Phenol	<0.20		0.20	0.089	mg/Kg	☆	08/22/23 07:37	08/24/23 13:37	1
Pyrene	<0.040		0.040	0.0079	mg/Kg	☆	08/22/23 07:37	08/24/23 13:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	82		31 - 166	08/22/23 07:37	08/24/23 13:37	1
Phenol-d5 (Surr)	71		30 - 153	08/22/23 07:37	08/24/23 13:37	1
Nitrobenzene-d5 (Surr)	50		37 - 147	08/22/23 07:37	08/24/23 13:37	1
2-Fluorobiphenyl (Surr)	52		43 - 145	08/22/23 07:37	08/24/23 13:37	1
2,4,6-Tribromophenol (Surr)	46		31 - 143	08/22/23 07:37	08/24/23 13:37	1
Terphenyl-d14 (Surr)	69		42 - 157	08/22/23 07:37	08/24/23 13:37	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		11	4.6	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Antimony	0.34	J	1.1	0.22	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Arsenic	8.0		0.56	0.19	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Barium	42		0.56	0.064	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Beryllium	0.73		0.22	0.052	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Cadmium	0.31	B	0.11	0.020	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Calcium	68000	B	56	9.5	mg/Kg	☆	08/24/23 11:02	08/29/23 20:33	5
Chromium	14		0.56	0.28	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Cobalt	11		0.28	0.073	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Copper	29	B	0.56	0.16	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Iron	19000	B	11	5.8	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Lead	20		0.28	0.13	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Magnesium	28000		5.6	2.8	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Manganese	300	B	0.56	0.081	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Nickel	25		0.56	0.16	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Potassium	2100		28	9.9	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Selenium	0.41	J	0.56	0.33	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Silver	<1.4		1.4	0.36	mg/Kg	☆	08/24/23 11:02	08/29/23 20:33	5
Sodium	1300		280	42	mg/Kg	☆	08/24/23 11:02	08/29/23 20:33	5
Thallium	<0.56		0.56	0.28	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Vanadium	20		0.28	0.066	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1
Zinc	74	B	1.1	0.49	mg/Kg	☆	08/24/23 11:02	08/28/23 18:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/30/23 20:38	09/05/23 12:11	1
Barium	0.64		0.50	0.050	mg/L		08/30/23 20:38	08/31/23 12:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/30/23 20:38	08/31/23 12:01	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		08/30/23 20:38	08/31/23 12:01	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAI 55 - I-55 WO 058

Job ID: 500-238448-1

Client Sample ID: ROW-6(0-5)-082123

Lab Sample ID: 500-238448-6

Date Collected: 08/21/23 10:20

Matrix: Solid

Date Received: 08/21/23 13:30

Percent Solids: 81.7

Method: SW846 6010D - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		08/30/23 20:38	08/31/23 12:01	1
Cobalt	0.031		0.025	0.010	mg/L		08/30/23 20:38	08/31/23 12:01	1
Copper	<0.025		0.025	0.010	mg/L		08/30/23 20:38	08/31/23 12:01	1
Iron	0.51		0.40	0.20	mg/L		08/30/23 20:38	09/05/23 12:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/30/23 20:38	08/31/23 12:01	1
Manganese	10		0.025	0.010	mg/L		08/30/23 20:38	08/31/23 12:01	1
Nickel	0.012	J	0.025	0.010	mg/L		08/30/23 20:38	08/31/23 12:01	1
Selenium	<0.050		0.050	0.020	mg/L		08/30/23 20:38	09/01/23 15:14	1
Silver	<0.025		0.025	0.010	mg/L		08/30/23 20:38	09/05/23 12:11	1
Zinc	0.028	J	0.50	0.020	mg/L		08/30/23 20:38	08/31/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.077		0.050	0.010	mg/L		09/05/23 19:27	09/06/23 13:24	1
Barium	0.69		0.50	0.050	mg/L		09/05/23 19:27	09/06/23 13:24	1
Beryllium	0.0085		0.0040	0.0040	mg/L		09/05/23 19:27	09/06/23 13:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		09/05/23 19:27	09/06/23 13:24	1
Chromium	0.17		0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:24	1
Cobalt	0.058		0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:24	1
Copper	0.17		0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:24	1
Iron	160		0.40	0.20	mg/L		09/05/23 19:27	09/06/23 13:24	1
Lead	0.13		0.0075	0.0075	mg/L		09/05/23 19:27	09/06/23 13:24	1
Manganese	1.1		0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:24	1
Nickel	0.16		0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:24	1
Selenium	<0.050		0.050	0.020	mg/L		09/05/23 19:27	09/06/23 13:24	1
Silver	<0.025		0.025	0.010	mg/L		09/05/23 19:27	09/06/23 13:24	1
Zinc	0.38	J	0.50	0.020	mg/L		09/05/23 19:27	09/06/23 13:24	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		08/25/23 14:20	08/28/23 09:10	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		08/28/23 12:35	08/29/23 09:10	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.042		0.019	0.010	mg/Kg	☼	08/28/23 16:30	08/29/23 08:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.2	0.2	SU			08/25/23 06:40	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAI 55 - I-55 WO 058

Job ID: 500-238448-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*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.

GC/MS Semi 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, 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.
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

Chain of Custody Record

668646



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

500-238448 COC

TAL-8210

Client Contact		Project Manager <i>A. Slezars</i>		Site Contact <i>C. Ponce</i>		Date <i>8/21/23</i>	
Company Name <i>Western Solutions</i>		Tel/Email		Lab Contact <i>J. Knapp</i>		Carrier	
Address <i>300 Knightsbridge Pkwy</i>		Analysis Turnaround Time					
City/State/Zip <i>Channahon, 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 TCLP/SPLP Metals pH		Sampler <i>C. Ponce</i>	
Phone		TAT if different from Below _____				For Lab Use Only	
Fax		<input type="checkbox"/> 2 weeks				Walk-in Client	
Project Name <i>IDOT 058</i>		<input type="checkbox"/> 1 week				Lab Sampling	
Site <i>Darien, IL</i>		<input type="checkbox"/> 2 days				Job / SDG No <i>500-238448</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>1</i>	<i>ROW-1 (0-5)-082123</i>	<i>8/21/23</i>	<i>0930</i>	<i>G</i>	<i>S</i>	<i>6</i>	
<i>2</i>	<i>ROW-2 (0-5)-082123</i>		<i>0940</i>				
<i>3</i>	<i>ROW-3 (0-5)-082123</i>		<i>0950</i>				
<i>4</i>	<i>ROW-4 (0-5)-082123</i>		<i>1000</i>				
<i>5</i>	<i>ROW-5 (0-5)-082123</i>		<i>1010</i>				
<i>6</i>	<i>ROW-6 (0-5)-082123</i>		<i>1020</i>				
<i>7</i>	<i>ROW-7 (0-5)-082123</i>		<i>1030</i>				
<i>8</i>	<i>ROW-7 (0-5)-082123</i>		<i>1030</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>Include F&LP/SPLP Fe/Mn</i>							
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd <i>4.5</i> Corr'd <i>3.4</i>		Therm ID No	
Relinquished by <i>[Signature]</i>		Company <i>WS</i>		Date/Time <i>8/21/23 1110</i>		Received by <i>[Signature]</i>	
Relinquished by <i>[Signature]</i>		Company <i>[Signature]</i>		Date/Time <i>8/21/23</i>		Received by <i>[Signature]</i>	
Relinquished by <i>[Signature]</i>		Company <i>[Signature]</i>		Date/Time <i>8/21/23</i>		Received in Laboratory by <i>[Signature]</i>	