



Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 343 - IL 68 (Dundee Rd) - Pendleton to Smith Office Phone Number, if available: _____

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

512 W. Northwest Highway (ISGS Site 3322AV-3)

City: Palatine State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.13924 Longitude: -88.05365
(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.): 143

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)]:

LOCATION PHG-1 WAS SAMPLED AT ISGS SITE NO. 3322AV-3. 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: 500-237151-1. 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:

29 September 2023
Date:



Summary Table
Palatine Hills Golf ISGS Site No: 3799V-3
FAP 343 IL 68 (Dundee Road) - From Pendleton Court to Smith Road
Palatine, Cook County, Illinois

Location	Soil Reference Concentrations (MAC Table)	PHG-1
Sample Date		7/24/2023
Field Sample ID		PHG-1(0-5)-072423
ISGS Site No.		3322AV-3
Laboratory pH	<6.25,>9.0	8.5
VOCs		No Exceedances
SVOCs		No Exceedances
Total Metals (mg/kg)		
Aluminum, Total	---	8500
Antimony, Total	5	ND
Arsenic, Total	11.3 / 13.0	7.5
Barium, Total	1500	29
Beryllium, Total	22	0.67 J
Cadmium, Total	5.2	0.29 J
Calcium, Total	---	76000
Chromium, Total	21	13
Cobalt, Total	20	8.3
Copper, Total	2900	20
Iron, Total	15000 / 15900	17000
Lead, Total	107	11
Magnesium, Total	325000	33000
Manganese, Total	630 / 636	310
Mercury, Total	0.89	0.013 J
Nickel, Total	100	23
Potassium, Total	---	1900
Selenium, Total	1.3	ND
Silver, Total	4.4	0.86
Sodium, Total	---	180
Thallium, Total	2.6	ND
Vanadium, Total	550	17
Zinc, Total	5100	49
TCLP Metals (mg/l)		
Arsenic, TCLP	0.05	ND
Barium, TCLP	2	0.21 J
Beryllium, TCLP	0.004	ND
Cadmium, TCLP	0.005	0.0031 J
Chromium, TCLP	0.1	ND
Cobalt, TCLP	1	0.011 J
Copper, TCLP	0.65	ND
Iron, TCLP	5	ND
Lead, TCLP	0.0075	ND
Manganese, TCLP	0.15	2.1
Mercury, TCLP	0.002	ND
Nickel, TCLP	0.1	0.016 J
Selenium, TCLP	0.05	ND
Silver, TCLP	0.05	ND
Zinc, TCLP	5	ND
SPLP Metals (mg/l)		
Arsenic, SPLP	0.05	ND
Barium, SPLP	2	0.07 J
Beryllium, SPLP	0.004	ND
Cadmium, SPLP	0.005	ND
Chromium, SPLP	0.1	0.022 J
Cobalt, SPLP	1	ND
Copper, SPLP	0.65	0.017 J
Iron, SPLP	5	23
Lead, SPLP	0.0075	ND
Manganese, SPLP	0.15	0.067
Mercury, SPLP	0.002	ND
Nickel, SPLP	0.1	0.017 J
Selenium, SPLP	0.05	ND
Silver, SPLP	0.05	ND
Zinc, SPLP	5	0.045 J


Notes:

--- - 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.

 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 8/4/2023 3:39:18 PM

JOB DESCRIPTION

IDOT - FAP 343 IL 68 - WO 057

JOB NUMBER

500-237151-1

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 - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: PHG-1(0-5)-072423

Lab Sample ID: 500-237151-9

Date Collected: 07/24/23 10:45

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 76.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0081	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Benzene	<0.0019		0.0019	0.00047	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Bromoform	<0.0019		0.0019	0.00054	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Bromomethane	<0.0046		0.0046	0.0018	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Carbon disulfide	<0.0046		0.0046	0.00097	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Chlorobenzene	<0.0019		0.0019	0.00069	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Chloroform	<0.0019		0.0019	0.00065	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Chloromethane	<0.0046		0.0046	0.0019	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00056	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
1,2-Dichloroethane	<0.0046		0.0046	0.0015	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
1,1-Dichloroethene	<0.0019		0.0019	0.00064	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
1,2-Dichloropropane	<0.0019		0.0019	0.00048	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00065	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Ethylbenzene	<0.0019		0.0019	0.00089	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
2-Hexanone	<0.0046		0.0046	0.0015	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0021	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Styrene	<0.0019		0.0019	0.00056	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00059	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Tetrachloroethene	<0.0019		0.0019	0.00063	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Toluene	<0.0019		0.0019	0.00047	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00082	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00065	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00062	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00080	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Vinyl chloride	<0.0019		0.0019	0.00082	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1
Xylenes, Total	<0.0037		0.0037	0.00059	mg/Kg	✳	07/25/23 17:42	07/28/23 06:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		75 - 131	07/25/23 17:42	07/28/23 06:35	1
Dibromofluoromethane (Surr)	117		75 - 126	07/25/23 17:42	07/28/23 06:35	1
1,2-Dichloroethane-d4 (Surr)	135	S1+	70 - 134	07/25/23 17:42	07/28/23 06:35	1
Toluene-d8 (Surr)	119		75 - 124	07/25/23 17:42	07/28/23 06:35	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	0.030	mg/Kg	✳	07/27/23 13:22	07/28/23 15:18	1
1,2-Dichlorobenzene	<0.21		0.21	0.017	mg/Kg	✳	07/27/23 13:22	07/28/23 15:18	1
1,3-Dichlorobenzene	<0.21		0.21	0.019	mg/Kg	✳	07/27/23 13:22	07/28/23 15:18	1
1,4-Dichlorobenzene	<0.21		0.21	0.020	mg/Kg	✳	07/27/23 13:22	07/28/23 15:18	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.030	mg/Kg	✳	07/27/23 13:22	07/28/23 15:18	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: PHG-1(0-5)-072423

Lab Sample ID: 500-237151-9

Date Collected: 07/24/23 10:45

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 76.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.42		0.42	0.016	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
2,4,6-Trichlorophenol	<0.42		0.42	0.014	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
2,4-Dichlorophenol	<0.42		0.42	0.015	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
2,4-Dimethylphenol	<0.42		0.42	0.095	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
2,4-Dinitrophenol	<0.86		0.86	0.25	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
2,4-Dinitrotoluene	<0.21		0.21	0.024	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
2,6-Dinitrotoluene	<0.21		0.21	0.014	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
2-Chloronaphthalene	<0.21		0.21	0.016	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
2-Chlorophenol	<0.21		0.21	0.014	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
2-Methylnaphthalene	<0.086		0.086	0.0085	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
2-Methylphenol	<0.21		0.21	0.022	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
2-Nitroaniline	<0.21		0.21	0.023	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
2-Nitrophenol	<0.42		0.42	0.029	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
3 & 4 Methylphenol	<0.21		0.21	0.031	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.035	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
3-Nitroaniline	<0.42		0.42	0.019	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
4,6-Dinitro-2-methylphenol	<0.86		0.86	0.24	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.029	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
4-Chloro-3-methylphenol	<0.42		0.42	0.016	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
4-Chloroaniline	<0.86		0.86	0.44	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.056	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
4-Nitroaniline	<0.42	*	0.42	0.031	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
4-Nitrophenol	<0.86		0.86	0.16	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Acenaphthene	<0.042		0.042	0.0086	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Acenaphthylene	<0.042		0.042	0.0072	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Anthracene	<0.042		0.042	0.0087	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Benzo[a]anthracene	<0.042		0.042	0.0090	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Benzo[a]pyrene	<0.042		0.042	0.041	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Benzo[b]fluoranthene	<0.042		0.042	0.040	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Benzo[g,h,i]perylene	<0.042		0.042	0.0092	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Benzo[k]fluoranthene	<0.042		0.042	0.016	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.016	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.020	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.17	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Butyl benzyl phthalate	<0.21		0.21	0.021	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Carbazole	<0.21		0.21	0.017	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Chrysene	<0.042		0.042	0.011	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Dibenz(a,h)anthracene	<0.042		0.042	0.042	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Dibenzofuran	<0.21		0.21	0.015	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Diethyl phthalate	<0.21		0.21	0.019	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Dimethyl phthalate	<0.21		0.21	0.0092	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Di-n-butyl phthalate	<0.21		0.21	0.013	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Di-n-octyl phthalate	<0.42	*	0.42	0.30	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Fluoranthene	<0.042		0.042	0.0099	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Fluorene	<0.042		0.042	0.013	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Hexachlorobenzene	<0.086		0.086	0.0081	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Hexachlorobutadiene	<0.21		0.21	0.024	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Hexachlorocyclopentadiene	<0.86		0.86	0.45	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1
Hexachloroethane	<0.21		0.21	0.021	mg/Kg	☼	07/27/23 13:22	07/28/23 15:18	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: PHG-1(0-5)-072423

Lab Sample ID: 500-237151-9

Date Collected: 07/24/23 10:45

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 76.6

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	<0.042		0.042	0.041	mg/Kg	✳	07/27/23 13:22	07/28/23 15:18	1
Isophorone	<0.21		0.21	0.022	mg/Kg	✳	07/27/23 13:22	07/28/23 15:18	1
Naphthalene	<0.042		0.042	0.0077	mg/Kg	✳	07/27/23 13:22	07/28/23 15:18	1
Nitrobenzene	<0.042		0.042	0.013	mg/Kg	✳	07/27/23 13:22	07/28/23 15:18	1
N-Nitrosodi-n-propylamine	<0.086		0.086	0.0084	mg/Kg	✳	07/27/23 13:22	07/28/23 15:18	1
N-Nitrosodiphenylamine	<0.21		0.21	0.025	mg/Kg	✳	07/27/23 13:22	07/28/23 15:18	1
Pentachlorophenol	<0.86		0.86	0.11	mg/Kg	✳	07/27/23 13:22	07/28/23 15:18	1
Phenanthrene	<0.042		0.042	0.0092	mg/Kg	✳	07/27/23 13:22	07/28/23 15:18	1
Phenol	<0.21		0.21	0.018	mg/Kg	✳	07/27/23 13:22	07/28/23 15:18	1
Pyrene	<0.042		0.042	0.012	mg/Kg	✳	07/27/23 13:22	07/28/23 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	69		31 - 166	07/27/23 13:22	07/28/23 15:18	1
Phenol-d5 (Surr)	78		30 - 153	07/27/23 13:22	07/28/23 15:18	1
Nitrobenzene-d5 (Surr)	74		37 - 147	07/27/23 13:22	07/28/23 15:18	1
2-Fluorobiphenyl (Surr)	66		43 - 145	07/27/23 13:22	07/28/23 15:18	1
2,4,6-Tribromophenol (Surr)	68		31 - 143	07/27/23 13:22	07/28/23 15:18	1
Terphenyl-d14 (Surr)	63		42 - 157	07/27/23 13:22	07/28/23 15:18	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8500		13	5.3	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Antimony	0.51	J B	1.3	0.25	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Arsenic	7.5		0.64	0.22	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Barium	29		0.64	0.073	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Beryllium	0.67	B	0.26	0.060	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Cadmium	0.29	B	0.13	0.023	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Calcium	76000		64	11	mg/Kg	✳	07/26/23 10:30	07/28/23 22:29	5
Chromium	13		0.64	0.32	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Cobalt	8.3		0.32	0.084	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Copper	20		0.64	0.18	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Iron	17000		13	6.7	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Lead	11		0.32	0.15	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Magnesium	33000		6.4	3.2	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Manganese	310		0.64	0.093	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Nickel	23		0.64	0.19	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Potassium	1900		32	11	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Selenium	<0.64		0.64	0.38	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Silver	0.86		0.32	0.083	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Sodium	180		64	9.5	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Thallium	<0.64		0.64	0.32	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Vanadium	17		0.32	0.076	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	1
Zinc	49		1.3	0.56	mg/Kg	✳	07/26/23 10:30	07/27/23 22:14	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		08/01/23 07:56	08/01/23 21:18	1
Barium	0.21	J	0.50	0.050	mg/L		08/01/23 07:56	08/01/23 21:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/01/23 07:56	08/01/23 21:18	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		08/01/23 07:56	08/01/23 21:18	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: PHG-1(0-5)-072423

Lab Sample ID: 500-237151-9

Date Collected: 07/24/23 10:45

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 76.6

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		08/01/23 07:56	08/01/23 21:18	1
Cobalt	0.011	J	0.025	0.010	mg/L		08/01/23 07:56	08/01/23 21:18	1
Copper	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 21:18	1
Iron	<0.40		0.40	0.20	mg/L		08/01/23 07:56	08/01/23 21:18	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/01/23 07:56	08/01/23 21:18	1
Manganese	2.1		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 21:18	1
Nickel	0.016	J	0.025	0.010	mg/L		08/01/23 07:56	08/01/23 21:18	1
Selenium	<0.050		0.050	0.020	mg/L		08/01/23 07:56	08/01/23 21:18	1
Silver	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 21:18	1
Zinc	<0.50		0.50	0.020	mg/L		08/01/23 07:56	08/01/23 21:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		08/01/23 07:58	08/01/23 18:07	1
Barium	0.070	J	0.50	0.050	mg/L		08/01/23 07:58	08/01/23 18:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/01/23 07:58	08/01/23 18:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/01/23 07:58	08/01/23 18:07	1
Chromium	0.022	J	0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:07	1
Cobalt	<0.025		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:07	1
Copper	0.017	J	0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:07	1
Iron	23		0.40	0.20	mg/L		08/03/23 13:12	08/03/23 19:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/01/23 07:58	08/01/23 18:07	1
Manganese	0.067		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:07	1
Nickel	0.017	J	0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:07	1
Selenium	<0.050		0.050	0.020	mg/L		08/01/23 07:58	08/01/23 18:07	1
Silver	<0.025		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:07	1
Zinc	0.045	J	0.50	0.020	mg/L		08/01/23 07:58	08/01/23 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		08/01/23 10:30	08/02/23 11:02	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		08/02/23 10:35	08/03/23 07:21	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.020	0.011	mg/Kg	☼	08/01/23 15:25	08/02/23 10:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.2	0.2	SU			07/28/23 11:57	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

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.
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.
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)

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Glossary (Continued)

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

1

2

3

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

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	04-29-24

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
8260D	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Chain of Custody Record

667768



Environment Testing America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager A Siesers		Site Contact C DAVIDS		Date: 07-24-2023		COC No 667768	
Company Name Weston Solutions, Inc.		Tel/Email		Lab Contact J. KNAPP		Carrier:		L of 1 COCs	
Address 300 Knightsbridge Pkwy		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 TOTA Metals TELP/SPLP metals PH		Sampler		For Lab Use Only:	
City/State/Zip Lincolnshire, IL 60069								Walk-in Client. <input type="checkbox"/>	
Phone								Job / SDG No 057	
Fax								500-237151	
Project Name 057 - Palati									
Site									
P O #									
500-237151 COC 		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		# of Cont.	
Sample Identifica...								Sample Specific Notes	
1	RB7-3(0-2)-072423	07/24/23	0920	G	S	0		X	X
2	RB7-2(0-2)-072423		0925						
3	RB7-1(0-2)-072423		0945						
4	PMT-1(0-2)-072423		1000						
5	RB4-3(0-5)-072423		1010						
6	RB4-3(0-5)-072423D		1010						
7	RB4-2(0-5)-072423		1020						
8	RB4-1(0-5)-072423		1030						
9	PHG-1(0-5)-072423		1045						
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"/> 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 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 23 Corr'd 1.9		Therm ID No. _____			
Relinquished by <i>[Signature]</i>		Company Weston Solutions		Date/Time 07/24/23 1135		Received by <i>[Signature]</i>		Company EEPA	
Relinquished by <i>[Signature]</i>		Company EEPA		Date/Time 7/25 1315		Received by <i>[Signature]</i>		Company EEPA	
Relinquished by <i>[Signature]</i>		Company _____		Date/Time _____		Received in Laboratory by <i>[Signature]</i>		Company EEPA	
								Date/Time 7/25/23 1315	

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-237151-1

Login Number: 237151

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 343 - IL 68 (Dundee Rd) - Pendleton to Smith Office Phone Number, if available: _____

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

1568-1598 N. St. Marks Place (ISGS Site 3322AV-4)

City: Palatine State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.13924 Longitude: -88.05242
(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.): 461

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 RB4-1 THROUGH RB4-3 WERE SAMPLED AT ISGS SITE NO. 3322AV-4. 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: 500-237151-1. 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:


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

29 September 2023
Date:



Summary Table
Residential Buildings ISGS Site No: 3799V-4
FAP 343 IL 68 (Dundee Road) - From Pendleton Court to Smith Road
Palatine, Cook County, Illinois

Location	Soil Reference Concentrations (MAC Table)	RB4-1	RB4-2	RB4-3	RB4-3
Sample Date		7/24/2023	7/24/2023	7/24/2023	7/24/2023
Field Sample ID		RB4-1(0-5)-072423	RB4-2(0-5)-072423	RB4-3(0-5)-072423	RB4-3(0-5)-072423D
ISGS Site No.		3322AV-4	3322AV-4	3322AV-4	3322AV-4
Laboratory pH	<6.25,>9.0	8.6	8.0	7.8	7.9
VOCs		No Exceedances			
SVOCs (mg/kg)					
2-Methylnaphthalene	---	ND	ND	ND	0.012 J
Benzo(a)anthracene	0.9 / 11 / 1.8	ND	ND	0.03 J	0.029 J
Benzo(b)fluoranthene	0.9 / 13 / 2.1	ND	ND	0.042	0.041
Benzo(g,h,i)perylene	---	ND	ND	0.018 J	0.027 J
Chrysene	88	ND	ND	0.043	0.042
Fluoranthene	3100	ND	ND	0.041	0.055
Phenanthrene	---	ND	ND	0.025 J	0.033 J
Pyrene	2300	ND	ND	0.038	0.05
Total Metals (mg/kg)					
Aluminum, Total	---	13000	16000	11000	13000
Antimony, Total	5	ND	ND	ND	ND
Arsenic, Total	11.3 / 13.0	7.3	5.6	7.1	7.9
Barium, Total	1500	80	57	94	110
Beryllium, Total	22	0.91 J	1.1 J	0.76 J	0.86 J
Cadmium, Total	5.2	0.25 J	0.18 J	0.27 J	0.33 J
Calcium, Total	---	50000	59000	31000 J	62000 J
Chromium, Total	21	19	22	16	18
Cobalt, Total	20	14	10	12	12
Copper, Total	2900	21	22	22	26
Iron, Total	15000 / 15900	20000	21000	17000	19000
Lead, Total	107	13	12	42	56
Magnesium, Total	325000	22000	23000	20000	30000
Manganese, Total	630 / 636	600	260	400	430
Mercury, Total	0.89	0.014 J	0.014 J	0.0096 J	0.025
Nickel, Total	100	37	34	26	27
Potassium, Total	---	2400	3500	2100	2300
Selenium, Total	1.3	0.43 J	0.56 J	0.47 J	0.65
Silver, Total	4.4	1	1	0.86	0.94
Sodium, Total	---	340	220	1100	1200
Thallium, Total	2.6	ND	ND	ND	ND
Vanadium, Total	550	25	25	21	24
Zinc, Total	5100	66	59	70	76
TCLP Metals (mg/l)					
Arsenic, TCLP	0.05	ND	ND	ND	ND
Barium, TCLP	2	0.41 J	0.37 J	0.6	0.78
Beryllium, TCLP	0.004	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	0.0029 J	ND
Chromium, TCLP	0.1	ND	ND	ND	ND
Cobalt, TCLP	1	ND	ND	0.027	0.019 J
Copper, TCLP	0.65	ND	ND	ND	ND
Iron, TCLP	5	ND	ND	0.27 J	ND
Lead, TCLP	0.0075	ND	ND	0.012	ND
Manganese, TCLP	0.15	0.43	0.81	8.2	5.3
Mercury, TCLP	0.002	ND	ND	ND	ND
Nickel, TCLP	0.1	ND	ND	0.024 J	0.016 J
Selenium, TCLP	0.05	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND
Zinc, TCLP	5	ND	0.022 J	0.076 J	0.039 J

Summary Table
Residential Buildings ISGS Site No: 3799V-4
FAP 343 IL 68 (Dundee Road) - From Pendleton Court to Smith Road
Palatine, Cook County, Illinois

Location	Soil Reference Concentrations (MAC Table)	RB4-1	RB4-2	RB4-3	RB4-3
Sample Date		7/24/2023	7/24/2023	7/24/2023	7/24/2023
Field Sample ID		RB4-1(0-5)-072423	RB4-2(0-5)-072423	RB4-3(0-5)-072423	RB4-3(0-5)-072423D
ISGS Site No.		3322AV-4	3322AV-4	3322AV-4	3322AV-4
SPLP Metals (mg/l)					
Arsenic, SPLP	0.05	0.035 J	0.018 J	0.034 J	0.07
Barium, SPLP	2	0.28 J	0.2 J	0.27 J	0.48 J
Beryllium, SPLP	0.004	0.0043	ND	ND	0.0076
Cadmium, SPLP	0.005	ND	ND	ND	ND
Chromium, SPLP	0.1	0.088 J	0.068 J	0.07 J	0.14 J
Cobalt, SPLP	1	0.019 J	0.013 J	0.024 J	0.061
Copper, SPLP	0.65	0.066	0.037	0.086 J	0.19 J
Iron, SPLP	5	78 J	45 J	62 J	140 J
Lead, SPLP	0.0075	0.032	0.017	0.095 J	0.18 J
Manganese, SPLP	0.15	0.29	0.19	0.41 J	0.89 J
Mercury, SPLP	0.002	ND	ND	ND	ND
Nickel, SPLP	0.1	0.064	0.049	0.063 J	0.16 J
Selenium, SPLP	0.05	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND
Zinc, SPLP	5	0.17 J	0.092 J	0.19 J	0.39 J

Notes:

--- - 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.

 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 8/4/2023 3:39:18 PM

JOB DESCRIPTION

IDOT - FAP 343 IL 68 - WO 057

JOB NUMBER

500-237151-1

Eurofins Chicago

Job Notes

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Authorization



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Authorized for release by
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(630)758-0262

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB4-3(0-5)-072423

Lab Sample ID: 500-237151-5

Date Collected: 07/24/23 10:10

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.049		0.017	0.0072	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Bromoform	<0.0017		0.0017	0.00048	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Bromomethane	<0.0041		0.0041	0.0016	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Carbon disulfide	<0.0041		0.0041	0.00086	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Chloromethane	<0.0041		0.0041	0.0017	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00046	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Ethylbenzene	<0.0017		0.0017	0.00079	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Methyl Ethyl Ketone	0.0088		0.0041	0.0018	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Tetrachloroethene	<0.0017		0.0017	0.00056	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00073	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Trichloroethene	<0.0017		0.0017	0.00056	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Vinyl chloride	<0.0017		0.0017	0.00073	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	✳	07/25/23 17:42	07/28/23 04:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		75 - 131	07/25/23 17:42	07/28/23 04:56	1
Dibromofluoromethane (Surr)	115		75 - 126	07/25/23 17:42	07/28/23 04:56	1
1,2-Dichloroethane-d4 (Surr)	130		70 - 134	07/25/23 17:42	07/28/23 04:56	1
Toluene-d8 (Surr)	123		75 - 124	07/25/23 17:42	07/28/23 04:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.026	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
1,2-Dichlorobenzene	<0.18		0.18	0.015	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
1,3-Dichlorobenzene	<0.18		0.18	0.016	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
1,4-Dichlorobenzene	<0.18		0.18	0.017	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.026	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB4-3(0-5)-072423

Lab Sample ID: 500-237151-5

Date Collected: 07/24/23 10:10

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.014	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
2,4,6-Trichlorophenol	<0.36		0.36	0.012	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
2,4-Dichlorophenol	<0.36		0.36	0.013	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
2,4-Dimethylphenol	<0.36		0.36	0.082	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
2,4-Dinitrophenol	<0.74		0.74	0.21	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
2,4-Dinitrotoluene	<0.18		0.18	0.021	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
2,6-Dinitrotoluene	<0.18		0.18	0.012	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
2-Chloronaphthalene	<0.18		0.18	0.014	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
2-Chlorophenol	<0.18		0.18	0.012	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
2-Methylnaphthalene	<0.074		0.074	0.0073	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
2-Methylphenol	<0.18		0.18	0.019	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
2-Nitroaniline	<0.18		0.18	0.020	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
2-Nitrophenol	<0.36		0.36	0.025	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
3 & 4 Methylphenol	<0.18		0.18	0.027	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.030	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
3-Nitroaniline	<0.36		0.36	0.017	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.21	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.025	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
4-Chloro-3-methylphenol	<0.36		0.36	0.014	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
4-Chloroaniline	<0.74		0.74	0.38	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
4-Nitroaniline	<0.36	*	0.36	0.027	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
4-Nitrophenol	<0.74		0.74	0.13	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Acenaphthene	<0.036		0.036	0.0074	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Acenaphthylene	<0.036		0.036	0.0062	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Anthracene	<0.036		0.036	0.0074	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Benzo[a]anthracene	0.030	J	0.036	0.0077	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Benzo[a]pyrene	<0.036		0.036	0.035	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Benzo[b]fluoranthene	0.042		0.036	0.035	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Benzo[g,h,i]perylene	0.018	J	0.036	0.0079	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Benzo[k]fluoranthene	<0.036		0.036	0.014	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.014	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.017	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.14	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Butyl benzyl phthalate	<0.18		0.18	0.018	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Carbazole	<0.18		0.18	0.014	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Chrysene	0.043		0.036	0.0096	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Dibenz(a,h)anthracene	<0.036		0.036	0.036	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Dibenzofuran	<0.18		0.18	0.013	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Diethyl phthalate	<0.18		0.18	0.017	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Dimethyl phthalate	<0.18		0.18	0.0079	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Di-n-butyl phthalate	<0.18		0.18	0.012	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Di-n-octyl phthalate	<0.36	*+	0.36	0.25	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Fluoranthene	0.041		0.036	0.0085	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Fluorene	<0.036		0.036	0.011	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Hexachlorobenzene	<0.074		0.074	0.0070	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Hexachlorobutadiene	<0.18		0.18	0.021	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Hexachlorocyclopentadiene	<0.74		0.74	0.39	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Hexachloroethane	<0.18		0.18	0.018	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1

Euofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB4-3(0-5)-072423

Lab Sample ID: 500-237151-5

Date Collected: 07/24/23 10:10

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 88.7

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	<0.036		0.036	0.035	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Isophorone	<0.18		0.18	0.019	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Naphthalene	<0.036		0.036	0.0066	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Nitrobenzene	<0.036		0.036	0.012	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.0072	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
N-Nitrosodiphenylamine	<0.18		0.18	0.022	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Pentachlorophenol	<0.74		0.74	0.091	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Phenanthrene	0.025	J	0.036	0.0079	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Phenol	<0.18		0.18	0.016	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1
Pyrene	0.038		0.036	0.0099	mg/Kg	✳	07/27/23 13:22	07/28/23 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	78		31 - 166	07/27/23 13:22	07/28/23 19:05	1
Phenol-d5 (Surr)	87		30 - 153	07/27/23 13:22	07/28/23 19:05	1
Nitrobenzene-d5 (Surr)	73		37 - 147	07/27/23 13:22	07/28/23 19:05	1
2-Fluorobiphenyl (Surr)	79		43 - 145	07/27/23 13:22	07/28/23 19:05	1
2,4,6-Tribromophenol (Surr)	83		31 - 143	07/27/23 13:22	07/28/23 19:05	1
Terphenyl-d14 (Surr)	82		42 - 157	07/27/23 13:22	07/28/23 19:05	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		11	4.4	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Antimony	0.46	J B	1.1	0.21	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Arsenic	7.1		0.54	0.19	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Barium	94		0.54	0.062	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Beryllium	0.76	B	0.22	0.051	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Cadmium	0.27	B	0.11	0.020	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Calcium	31000		11	1.8	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Chromium	16		0.54	0.27	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Cobalt	12		0.27	0.071	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Copper	22		0.54	0.15	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Iron	17000		11	5.7	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Lead	42		0.27	0.13	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Magnesium	20000		5.4	2.7	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Manganese	400		0.54	0.079	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Nickel	26		0.54	0.16	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Potassium	2100		27	9.6	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Selenium	0.47	J	0.54	0.32	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Silver	0.86		0.27	0.070	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Sodium	1100		54	8.0	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Thallium	<0.54		0.54	0.27	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Vanadium	21		0.27	0.064	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	1
Zinc	70		1.1	0.48	mg/Kg	✳	07/26/23 10:30	07/27/23 22:00	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		08/01/23 07:56	08/01/23 20:05	1
Barium	0.60		0.50	0.050	mg/L		08/01/23 07:56	08/01/23 20:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/01/23 07:56	08/01/23 20:05	1
Cadmium	0.0029	J	0.0050	0.0020	mg/L		08/01/23 07:56	08/01/23 20:05	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB4-3(0-5)-072423

Lab Sample ID: 500-237151-5

Date Collected: 07/24/23 10:10

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 88.7

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		08/01/23 07:56	08/01/23 20:05	1
Cobalt	0.027		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:05	1
Copper	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:05	1
Iron	0.27	J	0.40	0.20	mg/L		08/01/23 07:56	08/01/23 20:05	1
Lead	0.012		0.0075	0.0075	mg/L		08/01/23 07:56	08/01/23 20:05	1
Manganese	8.2		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:05	1
Nickel	0.024	J	0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:05	1
Selenium	<0.050		0.050	0.020	mg/L		08/01/23 07:56	08/01/23 20:05	1
Silver	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:05	1
Zinc	0.076	J	0.50	0.020	mg/L		08/01/23 07:56	08/01/23 20:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.034	J	0.050	0.010	mg/L		08/01/23 07:58	08/01/23 17:53	1
Barium	0.27	J	0.50	0.050	mg/L		08/01/23 07:58	08/01/23 17:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/01/23 07:58	08/01/23 17:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/01/23 07:58	08/01/23 17:53	1
Chromium	0.070		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:53	1
Cobalt	0.024	J	0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:53	1
Copper	0.086		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:53	1
Iron	62		0.40	0.20	mg/L		08/03/23 13:12	08/03/23 19:15	1
Lead	0.095		0.0075	0.0075	mg/L		08/01/23 07:58	08/01/23 17:53	1
Manganese	0.41		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:53	1
Nickel	0.063		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:53	1
Selenium	<0.050		0.050	0.020	mg/L		08/01/23 07:58	08/01/23 17:53	1
Silver	<0.025		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:53	1
Zinc	0.19	J	0.50	0.020	mg/L		08/01/23 07:58	08/01/23 17:53	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		08/01/23 10:30	08/02/23 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		08/02/23 10:35	08/03/23 06:28	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0096	J	0.017	0.0092	mg/Kg	☼	08/01/23 15:25	08/02/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			07/28/23 19:30	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB4-3(0-5)-072423D

Lab Sample ID: 500-237151-6

Date Collected: 07/24/23 10:10

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.027		0.027	0.012	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Benzene	<0.0027		0.0027	0.00068	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Bromodichloromethane	<0.0027		0.0027	0.00054	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Bromoform	<0.0027		0.0027	0.00078	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Bromomethane	<0.0067		0.0067	0.0025	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Carbon disulfide	<0.0067		0.0067	0.0014	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Carbon tetrachloride	<0.0027		0.0027	0.00077	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Chlorobenzene	<0.0027		0.0027	0.00098	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Chloroethane	<0.0067		0.0067	0.0020	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Chloroform	<0.0027		0.0027	0.00093	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Chloromethane	<0.0067		0.0067	0.0027	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
cis-1,2-Dichloroethene	<0.0027		0.0027	0.00075	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
cis-1,3-Dichloropropene	<0.0027		0.0027	0.00080	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Dibromochloromethane	<0.0027		0.0027	0.00087	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
1,1-Dichloroethane	<0.0027		0.0027	0.00091	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
1,2-Dichloroethane	<0.0067		0.0067	0.0021	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
1,1-Dichloroethene	<0.0027		0.0027	0.00092	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
1,2-Dichloropropane	<0.0027		0.0027	0.00069	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
1,3-Dichloropropene, Total	<0.0027		0.0027	0.00094	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Ethylbenzene	<0.0027		0.0027	0.0013	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
2-Hexanone	<0.0067		0.0067	0.0021	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Methylene Chloride	<0.0067		0.0067	0.0026	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Methyl Ethyl Ketone	<0.0067		0.0067	0.0030	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
methyl isobutyl ketone	<0.0067		0.0067	0.0020	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Methyl tert-butyl ether	<0.0027		0.0027	0.00078	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Styrene	<0.0027		0.0027	0.00081	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
1,1,2,2-Tetrachloroethane	<0.0027		0.0027	0.00085	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Tetrachloroethene	<0.0027		0.0027	0.00091	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Toluene	<0.0027		0.0027	0.00067	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
trans-1,2-Dichloroethene	<0.0027		0.0027	0.0012	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
trans-1,3-Dichloropropene	<0.0027		0.0027	0.00094	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
1,1,1-Trichloroethane	<0.0027		0.0027	0.00090	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
1,1,2-Trichloroethane	<0.0027		0.0027	0.0011	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Trichloroethene	<0.0027		0.0027	0.00090	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Vinyl chloride	<0.0027		0.0027	0.0012	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1
Xylenes, Total	<0.0053		0.0053	0.00085	mg/Kg	☼	07/25/23 17:42	07/28/23 05:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		75 - 131	07/25/23 17:42	07/28/23 05:21	1
Dibromofluoromethane (Surr)	111		75 - 126	07/25/23 17:42	07/28/23 05:21	1
1,2-Dichloroethane-d4 (Surr)	124		70 - 134	07/25/23 17:42	07/28/23 05:21	1
Toluene-d8 (Surr)	118		75 - 124	07/25/23 17:42	07/28/23 05:21	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	0.029	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
1,2-Dichlorobenzene	<0.20		0.20	0.016	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
1,3-Dichlorobenzene	<0.20		0.20	0.018	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
1,4-Dichlorobenzene	<0.20		0.20	0.019	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.029	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB4-3(0-5)-072423D

Lab Sample ID: 500-237151-6

Date Collected: 07/24/23 10:10

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 78.6

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	0.015	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
2,4,6-Trichlorophenol	<0.40		0.40	0.014	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
2,4-Dichlorophenol	<0.40		0.40	0.014	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
2,4-Dimethylphenol	<0.40		0.40	0.090	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
2,4-Dinitrophenol	<0.82		0.82	0.23	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
2,4-Dinitrotoluene	<0.20		0.20	0.023	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
2,6-Dinitrotoluene	<0.20		0.20	0.014	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
2-Chloronaphthalene	<0.20		0.20	0.015	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
2-Chlorophenol	<0.20		0.20	0.013	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
2-Methylnaphthalene	0.012	J	0.082	0.0081	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
2-Methylphenol	<0.20		0.20	0.021	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
2-Nitroaniline	<0.20		0.20	0.022	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
2-Nitrophenol	<0.40		0.40	0.027	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
3 & 4 Methylphenol	<0.20		0.20	0.030	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.033	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
3-Nitroaniline	<0.40		0.40	0.018	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.23	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.028	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
4-Chloro-3-methylphenol	<0.40		0.40	0.016	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
4-Chloroaniline	<0.82		0.82	0.42	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
4-Nitroaniline	<0.40	*+	0.40	0.030	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
4-Nitrophenol	<0.82		0.82	0.15	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Acenaphthene	<0.040		0.040	0.0082	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Acenaphthylene	<0.040		0.040	0.0069	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Anthracene	<0.040		0.040	0.0083	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Benzo[a]anthracene	0.029	J	0.040	0.0086	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Benzo[a]pyrene	<0.040		0.040	0.039	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Benzo[b]fluoranthene	0.041		0.040	0.038	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Benzo[g,h,i]perylene	0.027	J	0.040	0.0088	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Benzo[k]fluoranthene	<0.040		0.040	0.015	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.015	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.019	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.16	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Butyl benzyl phthalate	<0.20		0.20	0.020	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Carbazole	<0.20		0.20	0.016	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Chrysene	0.042		0.040	0.011	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Dibenz(a,h)anthracene	<0.040		0.040	0.040	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Dibenzofuran	<0.20		0.20	0.014	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Diethyl phthalate	<0.20		0.20	0.019	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Dimethyl phthalate	<0.20		0.20	0.0088	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Di-n-butyl phthalate	<0.20		0.20	0.013	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Di-n-octyl phthalate	<0.40	*+	0.40	0.28	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Fluoranthene	0.055		0.040	0.0094	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Fluorene	<0.040		0.040	0.012	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Hexachlorobenzene	<0.082		0.082	0.0077	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Hexachlorobutadiene	<0.20		0.20	0.023	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Hexachlorocyclopentadiene	<0.82		0.82	0.43	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1
Hexachloroethane	<0.20		0.20	0.020	mg/Kg	☼	07/27/23 13:22	07/31/23 15:39	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB4-3(0-5)-072423D

Lab Sample ID: 500-237151-6

Date Collected: 07/24/23 10:10

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 78.6

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	0.039	mg/Kg	✳	07/27/23 13:22	07/31/23 15:39	1
Isophorone	<0.20		0.20	0.021	mg/Kg	✳	07/27/23 13:22	07/31/23 15:39	1
Naphthalene	<0.040		0.040	0.0073	mg/Kg	✳	07/27/23 13:22	07/31/23 15:39	1
Nitrobenzene	<0.040		0.040	0.013	mg/Kg	✳	07/27/23 13:22	07/31/23 15:39	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.0080	mg/Kg	✳	07/27/23 13:22	07/31/23 15:39	1
N-Nitrosodiphenylamine	<0.20		0.20	0.024	mg/Kg	✳	07/27/23 13:22	07/31/23 15:39	1
Pentachlorophenol	<0.82		0.82	0.10	mg/Kg	✳	07/27/23 13:22	07/31/23 15:39	1
Phenanthrene	0.033	J	0.040	0.0088	mg/Kg	✳	07/27/23 13:22	07/31/23 15:39	1
Phenol	<0.20		0.20	0.018	mg/Kg	✳	07/27/23 13:22	07/31/23 15:39	1
Pyrene	0.050		0.040	0.011	mg/Kg	✳	07/27/23 13:22	07/31/23 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	76		31 - 166	07/27/23 13:22	07/31/23 15:39	1
Phenol-d5 (Surr)	87		30 - 153	07/27/23 13:22	07/31/23 15:39	1
Nitrobenzene-d5 (Surr)	70		37 - 147	07/27/23 13:22	07/31/23 15:39	1
2-Fluorobiphenyl (Surr)	84		43 - 145	07/27/23 13:22	07/31/23 15:39	1
2,4,6-Tribromophenol (Surr)	82		31 - 143	07/27/23 13:22	07/31/23 15:39	1
Terphenyl-d14 (Surr)	84		42 - 157	07/27/23 13:22	07/31/23 15:39	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		12	5.1	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Antimony	0.52	J B	1.2	0.24	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Arsenic	7.9		0.62	0.21	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Barium	110		0.62	0.071	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Beryllium	0.86	B	0.25	0.058	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Cadmium	0.33	B	0.12	0.022	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Calcium	62000		62	11	mg/Kg	✳	07/26/23 10:30	07/28/23 22:19	5
Chromium	18		0.62	0.31	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Cobalt	12		0.31	0.081	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Copper	26		0.62	0.17	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Iron	19000		12	6.4	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Lead	56		0.31	0.14	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Magnesium	30000		6.2	3.1	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Manganese	430		0.62	0.090	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Nickel	27		0.62	0.18	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Potassium	2300		31	11	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Selenium	0.65		0.62	0.36	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Silver	0.94		0.31	0.080	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Sodium	1200		62	9.2	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Thallium	<0.62		0.62	0.31	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Vanadium	24		0.31	0.073	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	1
Zinc	76		1.2	0.54	mg/Kg	✳	07/26/23 10:30	07/27/23 22:03	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		08/01/23 07:56	08/01/23 20:08	1
Barium	0.78		0.50	0.050	mg/L		08/01/23 07:56	08/01/23 20:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/01/23 07:56	08/01/23 20:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/01/23 07:56	08/01/23 20:08	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB4-3(0-5)-072423D

Lab Sample ID: 500-237151-6

Date Collected: 07/24/23 10:10

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 78.6

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		08/01/23 07:56	08/01/23 20:08	1
Cobalt	0.019	J	0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:08	1
Copper	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:08	1
Iron	<0.40		0.40	0.20	mg/L		08/01/23 07:56	08/01/23 20:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/01/23 07:56	08/01/23 20:08	1
Manganese	5.3		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:08	1
Nickel	0.016	J	0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:08	1
Selenium	<0.050		0.050	0.020	mg/L		08/01/23 07:56	08/01/23 20:08	1
Silver	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:08	1
Zinc	0.039	J	0.50	0.020	mg/L		08/01/23 07:56	08/01/23 20:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.070		0.050	0.010	mg/L		08/01/23 07:58	08/01/23 17:57	1
Barium	0.48	J	0.50	0.050	mg/L		08/01/23 07:58	08/01/23 17:57	1
Beryllium	0.0076		0.0040	0.0040	mg/L		08/01/23 07:58	08/01/23 17:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/01/23 07:58	08/01/23 17:57	1
Chromium	0.14		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:57	1
Cobalt	0.061		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:57	1
Copper	0.19		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:57	1
Iron	140		0.40	0.20	mg/L		08/03/23 13:12	08/03/23 19:19	1
Lead	0.18		0.0075	0.0075	mg/L		08/01/23 07:58	08/01/23 17:57	1
Manganese	0.89		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:57	1
Nickel	0.16		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:57	1
Selenium	<0.050		0.050	0.020	mg/L		08/01/23 07:58	08/01/23 17:57	1
Silver	<0.025		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:57	1
Zinc	0.39	J	0.50	0.020	mg/L		08/01/23 07:58	08/01/23 17:57	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		08/01/23 10:30	08/02/23 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		08/02/23 10:35	08/03/23 06:30	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	☼	08/01/23 15:25	08/02/23 10:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			07/28/23 19:33	1

Client Sample Results

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Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB4-2(0-5)-072423

Lab Sample ID: 500-237151-7

Date Collected: 07/24/23 10:20

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0079	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Benzene	<0.0018		0.0018	0.00047	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Bromomethane	<0.0046		0.0046	0.0017	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Carbon disulfide	<0.0046		0.0046	0.00095	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Chloroethane	<0.0046		0.0046	0.0013	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Chloromethane	<0.0046		0.0046	0.0018	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Dibromochloromethane	<0.0018		0.0018	0.00060	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
1,2-Dichloroethane	<0.0046		0.0046	0.0014	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
2-Hexanone	<0.0046		0.0046	0.0014	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0020	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
methyl isobutyl ketone	<0.0046		0.0046	0.0013	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00054	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00081	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Trichloroethene	<0.0018		0.0018	0.00062	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Vinyl chloride	<0.0018		0.0018	0.00081	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	✱	07/25/23 17:42	07/28/23 05:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		75 - 131	07/25/23 17:42	07/28/23 05:46	1
Dibromofluoromethane (Surr)	114		75 - 126	07/25/23 17:42	07/28/23 05:46	1
1,2-Dichloroethane-d4 (Surr)	130		70 - 134	07/25/23 17:42	07/28/23 05:46	1
Toluene-d8 (Surr)	119		75 - 124	07/25/23 17:42	07/28/23 05:46	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	0.027	mg/Kg	✱	07/27/23 13:22	07/28/23 14:28	1
1,2-Dichlorobenzene	<0.19		0.19	0.016	mg/Kg	✱	07/27/23 13:22	07/28/23 14:28	1
1,3-Dichlorobenzene	<0.19		0.19	0.017	mg/Kg	✱	07/27/23 13:22	07/28/23 14:28	1
1,4-Dichlorobenzene	<0.19		0.19	0.018	mg/Kg	✱	07/27/23 13:22	07/28/23 14:28	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.027	mg/Kg	✱	07/27/23 13:22	07/28/23 14:28	1

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Job ID: 500-237151-1

Client Sample ID: RB4-2(0-5)-072423

Lab Sample ID: 500-237151-7

Date Collected: 07/24/23 10:20

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.014	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
2,4,6-Trichlorophenol	<0.38		0.38	0.013	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
2,4-Dichlorophenol	<0.38		0.38	0.013	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
2,4-Dimethylphenol	<0.38		0.38	0.086	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
2,4-Dinitrophenol	<0.77		0.77	0.22	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
2,4-Dinitrotoluene	<0.19		0.19	0.022	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
2,6-Dinitrotoluene	<0.19		0.19	0.013	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
2-Chloronaphthalene	<0.19		0.19	0.014	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
2-Chlorophenol	<0.19		0.19	0.012	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
2-Methylnaphthalene	<0.077		0.077	0.0077	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
2-Methylphenol	<0.19		0.19	0.020	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
2-Nitroaniline	<0.19		0.19	0.020	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
2-Nitrophenol	<0.38		0.38	0.026	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
3 & 4 Methylphenol	<0.19		0.19	0.028	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.031	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
3-Nitroaniline	<0.38		0.38	0.017	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.22	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.026	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
4-Chloro-3-methylphenol	<0.38		0.38	0.015	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
4-Chloroaniline	<0.77		0.77	0.40	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
4-Nitroaniline	<0.38	*	0.38	0.028	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
4-Nitrophenol	<0.77		0.77	0.14	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Acenaphthene	<0.038		0.038	0.0078	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Acenaphthylene	<0.038		0.038	0.0065	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Anthracene	<0.038		0.038	0.0078	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Benzo[a]anthracene	<0.038		0.038	0.0081	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Benzo[a]pyrene	<0.038		0.038	0.037	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Benzo[b]fluoranthene	<0.038		0.038	0.036	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Benzo[g,h,i]perylene	<0.038		0.038	0.0083	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Benzo[k]fluoranthene	<0.038		0.038	0.015	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.014	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.018	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.15	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Butyl benzyl phthalate	<0.19		0.19	0.019	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Carbazole	<0.19		0.19	0.015	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Chrysene	<0.038		0.038	0.010	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Dibenz(a,h)anthracene	<0.038		0.038	0.038	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Dibenzofuran	<0.19		0.19	0.014	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Diethyl phthalate	<0.19		0.19	0.018	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Dimethyl phthalate	<0.19		0.19	0.0083	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Di-n-butyl phthalate	<0.19		0.19	0.012	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Di-n-octyl phthalate	<0.38	*	0.38	0.27	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Fluoranthene	<0.038		0.038	0.0089	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Fluorene	<0.038		0.038	0.011	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Hexachlorobenzene	<0.077		0.077	0.0073	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Hexachlorobutadiene	<0.19		0.19	0.022	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Hexachlorocyclopentadiene	<0.77		0.77	0.41	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1
Hexachloroethane	<0.19		0.19	0.019	mg/Kg	✳	07/27/23 13:22	07/28/23 14:28	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB4-2(0-5)-072423

Lab Sample ID: 500-237151-7

Date Collected: 07/24/23 10:20

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 84.7

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	<0.038		0.038	0.037	mg/Kg	☼	07/27/23 13:22	07/28/23 14:28	1
Isophorone	<0.19		0.19	0.020	mg/Kg	☼	07/27/23 13:22	07/28/23 14:28	1
Naphthalene	<0.038		0.038	0.0069	mg/Kg	☼	07/27/23 13:22	07/28/23 14:28	1
Nitrobenzene	<0.038		0.038	0.012	mg/Kg	☼	07/27/23 13:22	07/28/23 14:28	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.0075	mg/Kg	☼	07/27/23 13:22	07/28/23 14:28	1
N-Nitrosodiphenylamine	<0.19		0.19	0.023	mg/Kg	☼	07/27/23 13:22	07/28/23 14:28	1
Pentachlorophenol	<0.77		0.77	0.096	mg/Kg	☼	07/27/23 13:22	07/28/23 14:28	1
Phenanthrene	<0.038		0.038	0.0083	mg/Kg	☼	07/27/23 13:22	07/28/23 14:28	1
Phenol	<0.19		0.19	0.017	mg/Kg	☼	07/27/23 13:22	07/28/23 14:28	1
Pyrene	<0.038		0.038	0.010	mg/Kg	☼	07/27/23 13:22	07/28/23 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	75		31 - 166	07/27/23 13:22	07/28/23 14:28	1
Phenol-d5 (Surr)	85		30 - 153	07/27/23 13:22	07/28/23 14:28	1
Nitrobenzene-d5 (Surr)	82		37 - 147	07/27/23 13:22	07/28/23 14:28	1
2-Fluorobiphenyl (Surr)	73		43 - 145	07/27/23 13:22	07/28/23 14:28	1
2,4,6-Tribromophenol (Surr)	81		31 - 143	07/27/23 13:22	07/28/23 14:28	1
Terphenyl-d14 (Surr)	86		42 - 157	07/27/23 13:22	07/28/23 14:28	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16000		12	4.8	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Antimony	0.46	J B	1.2	0.23	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Arsenic	5.6		0.58	0.20	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Barium	57		0.58	0.067	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Beryllium	1.1	B	0.23	0.055	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Cadmium	0.18	B	0.12	0.021	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Calcium	59000		58	9.9	mg/Kg	☼	07/26/23 10:30	07/28/23 22:22	5
Chromium	22		0.58	0.29	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Cobalt	10		0.29	0.076	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Copper	22		0.58	0.16	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Iron	21000		12	6.1	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Lead	12		0.29	0.13	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Magnesium	23000		5.8	2.9	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Manganese	260		0.58	0.085	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Nickel	34		0.58	0.17	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Potassium	3500		29	10	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Selenium	0.56	J	0.58	0.34	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Silver	1.0		0.29	0.075	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Sodium	220		58	8.6	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Vanadium	25		0.29	0.069	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	1
Zinc	59		1.2	0.51	mg/Kg	☼	07/26/23 10:30	07/27/23 22:07	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		08/01/23 07:56	08/01/23 20:12	1
Barium	0.37	J	0.50	0.050	mg/L		08/01/23 07:56	08/01/23 20:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/01/23 07:56	08/01/23 20:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/01/23 07:56	08/01/23 20:12	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB4-2(0-5)-072423

Lab Sample ID: 500-237151-7

Date Collected: 07/24/23 10:20

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 84.7

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		08/01/23 07:56	08/01/23 20:12	1
Cobalt	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:12	1
Copper	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:12	1
Iron	<0.40		0.40	0.20	mg/L		08/01/23 07:56	08/01/23 20:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/01/23 07:56	08/01/23 20:12	1
Manganese	0.81		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:12	1
Nickel	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:12	1
Selenium	<0.050		0.050	0.020	mg/L		08/01/23 07:56	08/01/23 20:12	1
Silver	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:12	1
Zinc	0.022 J		0.50	0.020	mg/L		08/01/23 07:56	08/01/23 20:12	1

Method: SW846 6010D - 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		08/01/23 07:58	08/01/23 18:00	1
Barium	0.20 J		0.50	0.050	mg/L		08/01/23 07:58	08/01/23 18:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/01/23 07:58	08/01/23 18:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/01/23 07:58	08/01/23 18:00	1
Chromium	0.068		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:00	1
Cobalt	0.013 J		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:00	1
Copper	0.037		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:00	1
Iron	45		0.40	0.20	mg/L		08/03/23 13:12	08/03/23 19:22	1
Lead	0.017		0.0075	0.0075	mg/L		08/01/23 07:58	08/01/23 18:00	1
Manganese	0.19		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:00	1
Nickel	0.049		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:00	1
Selenium	<0.050		0.050	0.020	mg/L		08/01/23 07:58	08/01/23 18:00	1
Silver	<0.025		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:00	1
Zinc	0.092 J		0.50	0.020	mg/L		08/01/23 07:58	08/01/23 18:00	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		08/01/23 10:30	08/02/23 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		08/02/23 10:35	08/03/23 07:17	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	☼	08/01/23 15:25	08/02/23 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			07/28/23 19:38	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB4-1(0-5)-072423

Lab Sample ID: 500-237151-8

Date Collected: 07/24/23 10:30

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.024		0.024	0.010	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Benzene	<0.0024		0.0024	0.00061	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Bromodichloromethane	<0.0024		0.0024	0.00048	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Bromoform	<0.0024		0.0024	0.00070	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Bromomethane	<0.0060		0.0060	0.0022	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Carbon disulfide	<0.0060		0.0060	0.0012	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Carbon tetrachloride	<0.0024		0.0024	0.00069	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Chlorobenzene	<0.0024		0.0024	0.00088	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Chloroethane	<0.0060		0.0060	0.0018	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Chloroform	<0.0024		0.0024	0.00083	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Chloromethane	<0.0060		0.0060	0.0024	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
cis-1,2-Dichloroethene	<0.0024		0.0024	0.00067	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
cis-1,3-Dichloropropene	<0.0024		0.0024	0.00072	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Dibromochloromethane	<0.0024		0.0024	0.00078	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
1,1-Dichloroethane	<0.0024		0.0024	0.00082	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
1,2-Dichloroethane	<0.0060		0.0060	0.0019	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
1,1-Dichloroethene	<0.0024		0.0024	0.00082	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
1,2-Dichloropropane	<0.0024		0.0024	0.00062	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
1,3-Dichloropropene, Total	<0.0024		0.0024	0.00084	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Ethylbenzene	<0.0024		0.0024	0.0011	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
2-Hexanone	<0.0060		0.0060	0.0019	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Methylene Chloride	<0.0060		0.0060	0.0023	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Methyl Ethyl Ketone	<0.0060		0.0060	0.0026	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
methyl isobutyl ketone	<0.0060		0.0060	0.0018	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Methyl tert-butyl ether	<0.0024		0.0024	0.00070	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Styrene	<0.0024		0.0024	0.00072	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
1,1,2,2-Tetrachloroethane	<0.0024		0.0024	0.00076	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Tetrachloroethene	<0.0024		0.0024	0.00081	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Toluene	<0.0024		0.0024	0.00060	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
trans-1,2-Dichloroethene	<0.0024		0.0024	0.0011	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
trans-1,3-Dichloropropene	<0.0024		0.0024	0.00084	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
1,1,1-Trichloroethane	<0.0024		0.0024	0.00080	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
1,1,2-Trichloroethane	<0.0024		0.0024	0.0010	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Trichloroethene	<0.0024		0.0024	0.00080	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Vinyl chloride	<0.0024		0.0024	0.0011	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1
Xylenes, Total	<0.0048		0.0048	0.00076	mg/Kg	☆	07/25/23 17:42	07/28/23 06:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		75 - 131	07/25/23 17:42	07/28/23 06:10	1
Dibromofluoromethane (Surr)	113		75 - 126	07/25/23 17:42	07/28/23 06:10	1
1,2-Dichloroethane-d4 (Surr)	129		70 - 134	07/25/23 17:42	07/28/23 06:10	1
Toluene-d8 (Surr)	121		75 - 124	07/25/23 17:42	07/28/23 06:10	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	0.027	mg/Kg	☆	07/27/23 13:22	07/28/23 14:53	1
1,2-Dichlorobenzene	<0.19		0.19	0.015	mg/Kg	☆	07/27/23 13:22	07/28/23 14:53	1
1,3-Dichlorobenzene	<0.19		0.19	0.017	mg/Kg	☆	07/27/23 13:22	07/28/23 14:53	1
1,4-Dichlorobenzene	<0.19		0.19	0.018	mg/Kg	☆	07/27/23 13:22	07/28/23 14:53	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.027	mg/Kg	☆	07/27/23 13:22	07/28/23 14:53	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB4-1(0-5)-072423

Lab Sample ID: 500-237151-8

Date Collected: 07/24/23 10:30

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 87.0

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	0.014	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
2,4,6-Trichlorophenol	<0.37		0.37	0.013	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
2,4-Dichlorophenol	<0.37		0.37	0.013	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
2,4-Dimethylphenol	<0.37		0.37	0.084	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
2,4-Dinitrophenol	<0.76		0.76	0.22	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
2,4-Dinitrotoluene	<0.19		0.19	0.021	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
2,6-Dinitrotoluene	<0.19		0.19	0.013	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
2-Chloronaphthalene	<0.19		0.19	0.014	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
2-Chlorophenol	<0.19		0.19	0.012	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
2-Methylnaphthalene	<0.076		0.076	0.0076	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
2-Methylphenol	<0.19		0.19	0.020	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
2-Nitroaniline	<0.19		0.19	0.020	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
2-Nitrophenol	<0.37		0.37	0.026	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
3 & 4 Methylphenol	<0.19		0.19	0.028	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.031	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
3-Nitroaniline	<0.37		0.37	0.017	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.21	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.026	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
4-Chloro-3-methylphenol	<0.37		0.37	0.015	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
4-Chloroaniline	<0.76		0.76	0.40	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
4-Nitroaniline	<0.37	*+	0.37	0.028	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
4-Nitrophenol	<0.76		0.76	0.14	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Acenaphthene	<0.037		0.037	0.0077	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Acenaphthylene	<0.037		0.037	0.0064	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Anthracene	<0.037		0.037	0.0077	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Benzo[a]anthracene	<0.037		0.037	0.0080	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Benzo[a]pyrene	<0.037		0.037	0.036	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Benzo[b]fluoranthene	<0.037		0.037	0.036	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Benzo[g,h,i]perylene	<0.037		0.037	0.0082	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Benzo[k]fluoranthene	<0.037		0.037	0.014	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.014	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.017	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.15	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Butyl benzyl phthalate	<0.19		0.19	0.019	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Carbazole	<0.19		0.19	0.015	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Chrysene	<0.037		0.037	0.0099	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Dibenz(a,h)anthracene	<0.037		0.037	0.037	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Dibenzofuran	<0.19		0.19	0.013	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Diethyl phthalate	<0.19		0.19	0.017	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Dimethyl phthalate	<0.19		0.19	0.0082	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Di-n-butyl phthalate	<0.19		0.19	0.012	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Di-n-octyl phthalate	<0.37	*+	0.37	0.26	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Fluoranthene	<0.037		0.037	0.0088	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Fluorene	<0.037		0.037	0.011	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Hexachlorobenzene	<0.076		0.076	0.0072	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Hexachlorobutadiene	<0.19		0.19	0.021	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Hexachlorocyclopentadiene	<0.76		0.76	0.40	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1
Hexachloroethane	<0.19		0.19	0.019	mg/Kg	✱	07/27/23 13:22	07/28/23 14:53	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB4-1(0-5)-072423

Lab Sample ID: 500-237151-8

Date Collected: 07/24/23 10:30

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 87.0

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	<0.037		0.037	0.037	mg/Kg	✳	07/27/23 13:22	07/28/23 14:53	1
Isophorone	<0.19		0.19	0.019	mg/Kg	✳	07/27/23 13:22	07/28/23 14:53	1
Naphthalene	<0.037		0.037	0.0068	mg/Kg	✳	07/27/23 13:22	07/28/23 14:53	1
Nitrobenzene	<0.037		0.037	0.012	mg/Kg	✳	07/27/23 13:22	07/28/23 14:53	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.0074	mg/Kg	✳	07/27/23 13:22	07/28/23 14:53	1
N-Nitrosodiphenylamine	<0.19		0.19	0.022	mg/Kg	✳	07/27/23 13:22	07/28/23 14:53	1
Pentachlorophenol	<0.76		0.76	0.094	mg/Kg	✳	07/27/23 13:22	07/28/23 14:53	1
Phenanthrene	<0.037		0.037	0.0082	mg/Kg	✳	07/27/23 13:22	07/28/23 14:53	1
Phenol	<0.19		0.19	0.016	mg/Kg	✳	07/27/23 13:22	07/28/23 14:53	1
Pyrene	<0.037		0.037	0.010	mg/Kg	✳	07/27/23 13:22	07/28/23 14:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	69		31 - 166	07/27/23 13:22	07/28/23 14:53	1
Phenol-d5 (Surr)	78		30 - 153	07/27/23 13:22	07/28/23 14:53	1
Nitrobenzene-d5 (Surr)	80		37 - 147	07/27/23 13:22	07/28/23 14:53	1
2-Fluorobiphenyl (Surr)	73		43 - 145	07/27/23 13:22	07/28/23 14:53	1
2,4,6-Tribromophenol (Surr)	78		31 - 143	07/27/23 13:22	07/28/23 14:53	1
Terphenyl-d14 (Surr)	87		42 - 157	07/27/23 13:22	07/28/23 14:53	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		11	4.4	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Antimony	0.46	J B	1.1	0.21	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Arsenic	7.3		0.54	0.19	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Barium	80		0.54	0.062	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Beryllium	0.91	B	0.22	0.051	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Cadmium	0.25	B	0.11	0.020	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Calcium	50000		54	9.2	mg/Kg	✳	07/26/23 10:30	07/28/23 22:26	5
Chromium	19		0.54	0.27	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Cobalt	14		0.27	0.071	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Copper	21		0.54	0.15	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Iron	20000		11	5.7	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Lead	13		0.27	0.13	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Magnesium	22000		5.4	2.7	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Manganese	600		0.54	0.079	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Nickel	37		0.54	0.16	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Potassium	2400		27	9.6	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Selenium	0.43	J	0.54	0.32	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Silver	1.0		0.27	0.070	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Sodium	340		54	8.1	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Thallium	<0.54		0.54	0.27	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Vanadium	25		0.27	0.064	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	1
Zinc	66		1.1	0.48	mg/Kg	✳	07/26/23 10:30	07/27/23 22:10	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		08/01/23 07:56	08/01/23 20:16	1
Barium	0.41	J	0.50	0.050	mg/L		08/01/23 07:56	08/01/23 20:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/01/23 07:56	08/01/23 20:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/01/23 07:56	08/01/23 20:16	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB4-1(0-5)-072423

Lab Sample ID: 500-237151-8

Date Collected: 07/24/23 10:30

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 87.0

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		08/01/23 07:56	08/01/23 20:16	1
Cobalt	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:16	1
Copper	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:16	1
Iron	<0.40		0.40	0.20	mg/L		08/01/23 07:56	08/01/23 20:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		08/01/23 07:56	08/01/23 20:16	1
Manganese	0.43		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:16	1
Nickel	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:16	1
Selenium	<0.050		0.050	0.020	mg/L		08/01/23 07:56	08/01/23 20:16	1
Silver	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:16	1
Zinc	<0.50		0.50	0.020	mg/L		08/01/23 07:56	08/01/23 20:16	1

Method: SW846 6010D - 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		08/01/23 07:58	08/01/23 18:04	1
Barium	0.28	J	0.50	0.050	mg/L		08/01/23 07:58	08/01/23 18:04	1
Beryllium	0.0043		0.0040	0.0040	mg/L		08/01/23 07:58	08/01/23 18:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/01/23 07:58	08/01/23 18:04	1
Chromium	0.088		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:04	1
Cobalt	0.019	J	0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:04	1
Copper	0.066		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:04	1
Iron	78		0.40	0.20	mg/L		08/03/23 13:12	08/03/23 19:33	1
Lead	0.032		0.0075	0.0075	mg/L		08/01/23 07:58	08/01/23 18:04	1
Manganese	0.29		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:04	1
Nickel	0.064		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:04	1
Selenium	<0.050		0.050	0.020	mg/L		08/01/23 07:58	08/01/23 18:04	1
Silver	<0.025		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 18:04	1
Zinc	0.17	J	0.50	0.020	mg/L		08/01/23 07:58	08/01/23 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		08/01/23 10:30	08/02/23 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		08/02/23 10:35	08/03/23 07:19	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	☼	08/01/23 15:25	08/02/23 10:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.6		0.2	0.2	SU			07/28/23 19:40	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

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.
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.
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)

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Glossary (Continued)

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

1

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

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	04-29-24

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
8260D	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



Chain of Custody Record

667768



Environment Testing America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager A Siesers		Site Contact C DAVIDS		Date: 07-24-2023		COC No 667768	
Company Name Weston Solutions, Inc.		Tel/Email		Lab Contact J. KNAPP		Carrier:		L of 1 COCs	
Address 300 Knightsbridge Pkwy		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 Lincolnshire, IL 60069									
Phone		Sample Identification 500-237151 COC		Sample Date Sample Time Sample Type (C=Comp, G=Grab) Matrix # of Cont.		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SVOCs TOTA Metals TELP/SLP metals PH		Sampler: For Lab Use Only: Walk-in Client. <input type="checkbox"/> Lab Sampling <input type="checkbox"/> Job / SDG No 057 500-237151	
Fax									
Project Name 057 - Palati									
Site									
P O #									
		1 RB7-3(0-2)-072423		07/24/23 0920		G S 0		X X X X X	
		2 RB7-2(0-2)-072423		0925					
		3 RB7-1(0-2)-072423		0945					
		4 PMT-1(0-2)-072423		1000					
		5 RB4-3(0-5)-072423		1010					
		6 RB4-3(0-5)-072423D		1010					
		7 RB4-2(0-5)-072423		1020					
		8 RB4-1(0-5)-072423		1030					
		9 PHG-1(0-5)-072423		1045					
		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"/> 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 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 23 Corr'd 1.9		Therm ID No. _____			
Relinquished by <i>[Signature]</i>		Company Weston Solutions		Date/Time 07/24/23 1135		Received by <i>[Signature]</i>		Company EEPA	
Relinquished by <i>[Signature]</i>		Company EEPA		Date/Time 7/25 1315		Received by <i>[Signature]</i>		Company EEPA	
Relinquished by <i>[Signature]</i>		Company EEPA		Date/Time 7/25/23 1315		Received in Laboratory by <i>[Signature]</i>		Company EEPA	

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-237151-1

Login Number: 237151

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 343 - IL 68 (Dundee Rd) - Pendleton to Smith Office Phone Number, if available: _____

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

455 W. Dundee Road (ISGS Site 3322AV-6)

City: Palatine State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.13925 Longitude: -88.05106
(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.): 191

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)]:

LOCATION PMT-1 WAS SAMPLED AT ISGS SITE NO. 3322AV-6. 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: 500-237151-1. 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))

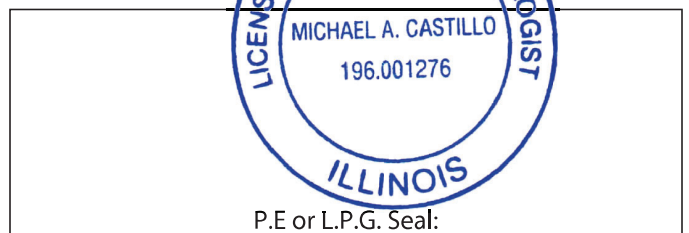
Company Name: Weston Solutions, Inc.
Street Address: 300 Knightsbridge Parkway; Suite 360
City: Lincolnshire State: IL Zip Code: 60069
Phone: (224) 864-7200

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


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

29 September 2023

Date:



Summary Table
Palatine Masonic Temple ISGS Site No: 3799V-6
FAP 343 IL 68 (Dundee Road) - From Pendleton Court to Smith Road
Palatine, Cook County, Illinois

Location	Soil Reference Concentrations (MAC Table)	PMT-1
Sample Date		7/24/2023
Field Sample ID		PMT-1(0-2)-072423
ISGS Site No.		3322AV-6
Laboratory pH	<6.25,>9.0	8.5
VOCs		No Exceedances
SVOCs (mg/kg)		
2-Methylnaphthalene	---	0.017 J
2-Nitroaniline	---	0.025 J
Acenaphthene	570	0.034 J
Anthracene	12000	0.074
Benzo(a)anthracene	0.9 / 11 / 1.8	0.26
Benzo(a)pyrene	0.09 / 11 / 2.1	0.33
Benzo(b)fluoranthene	0.9 / 13 / 2.1	0.42
Benzo(g,h,i)perylene	---	0.18
Benzo(k)fluoranthene	9	0.16
Carbazole	0.6	0.017 J
Chrysene	88	0.34
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	0.046
Dibenzofuran	---	0.02 J
Fluoranthene	3100	0.68
Fluorene	560	0.029 J
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	0.17
Naphthalene	1.8	0.016 J
Phenanthrene	---	0.41
Pyrene	2300	0.57
Total Metals (mg/kg)		
Aluminum, Total	---	12000
Antimony, Total	5	ND
Arsenic, Total	11.3 / 13.0	8.2
Barium, Total	1500	48
Beryllium, Total	22	0.91 J
Cadmium, Total	5.2	0.37 J
Calcium, Total	---	71000
Chromium, Total	21	17
Cobalt, Total	20	12
Copper, Total	2900	26
Iron, Total	15000 / 15900	25000
Lead, Total	107	36
Magnesium, Total	325000	41000
Manganese, Total	630 / 636	380
Mercury, Total	0.89	0.017 J
Nickel, Total	100	30
Potassium, Total	---	2200
Selenium, Total	1.3	0.47 J
Silver, Total	4.4	1.1
Sodium, Total	---	1700
Thallium, Total	2.6	ND
Vanadium, Total	550	21
Zinc, Total	5100	72
TCLP Metals (mg/l)		
Arsenic, TCLP	0.05	ND
Barium, TCLP	2	0.42 J
Beryllium, TCLP	0.004	ND
Cadmium, TCLP	0.005	0.002 J
Chromium, TCLP	0.1	ND
Cobalt, TCLP	1	0.023 J
Copper, TCLP	0.65	ND
Iron, TCLP	5	0.37 J
Lead, TCLP	0.0075	0.022
Manganese, TCLP	0.15	4.7
Mercury, TCLP	0.002	ND
Nickel, TCLP	0.1	0.022 J
Selenium, TCLP	0.05	ND
Silver, TCLP	0.05	ND
Zinc, TCLP	5	0.043 J

Summary Table
Palatine Masonic Temple ISGS Site No: 3799V-6
FAP 343 IL 68 (Dundee Road) - From Pendleton Court to Smith Road
Palatine, Cook County, Illinois

Location	Soil Reference Concentrations (MAC Table)	PMT-1
Sample Date		7/24/2023
Field Sample ID		PMT-1(0-2)-072423
ISGS Site No.		3322AV-6
SPLP Metals (mg/l)		
Arsenic, SPLP	0.05	0.071
Barium, SPLP	2	0.46 J
Beryllium, SPLP	0.004	0.0082
Cadmium, SPLP	0.005	ND
Chromium, SPLP	0.1	0.15 J
Cobalt, SPLP	1	0.066
Copper, SPLP	0.65	0.2
Iron, SPLP	5	180 J
Lead, SPLP	0.0075	0.34
Manganese, SPLP	0.15	1.4
Mercury, SPLP	0.002	ND
Nickel, SPLP	0.1	0.18
Selenium, SPLP	0.05	ND
Silver, SPLP	0.05	ND
Zinc, SPLP	5	0.46 J

Notes:

--- - 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.

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 8/4/2023 3:39:18 PM

JOB DESCRIPTION

IDOT - FAP 343 IL 68 - WO 057

JOB NUMBER

500-237151-1

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 - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: PMT-1(0-2)-072423

Lab Sample ID: 500-237151-4

Date Collected: 07/24/23 10:00

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.11		0.019	0.0081	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Benzene	<0.0019		0.0019	0.00047	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Bromoform	<0.0019		0.0019	0.00054	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Bromomethane	<0.0046		0.0046	0.0018	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Carbon disulfide	<0.0046		0.0046	0.00097	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Chlorobenzene	<0.0019		0.0019	0.00069	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Chloroethane	<0.0046		0.0046	0.0014	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Chloroform	<0.0019		0.0019	0.00065	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Chloromethane	<0.0046		0.0046	0.0019	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00056	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
1,2-Dichloroethane	<0.0046		0.0046	0.0015	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
1,1-Dichloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
1,2-Dichloropropane	<0.0019		0.0019	0.00048	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00065	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Ethylbenzene	<0.0019		0.0019	0.00089	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
2-Hexanone	<0.0046		0.0046	0.0015	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Methylene Chloride	<0.0046		0.0046	0.0018	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Methyl Ethyl Ketone	<0.0046		0.0046	0.0021	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
methyl isobutyl ketone	<0.0046		0.0046	0.0014	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Styrene	<0.0019		0.0019	0.00056	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00059	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Tetrachloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Toluene	<0.0019		0.0019	0.00047	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00082	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00065	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00062	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00080	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Vinyl chloride	<0.0019		0.0019	0.00082	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1
Xylenes, Total	0.0022 J		0.0037	0.00059	mg/Kg	☼	07/25/23 17:42	07/28/23 04:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		75 - 131	07/25/23 17:42	07/28/23 04:31	1
Dibromofluoromethane (Surr)	117		75 - 126	07/25/23 17:42	07/28/23 04:31	1
1,2-Dichloroethane-d4 (Surr)	133		70 - 134	07/25/23 17:42	07/28/23 04:31	1
Toluene-d8 (Surr)	118		75 - 124	07/25/23 17:42	07/28/23 04:31	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	0.028	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
1,2-Dichlorobenzene	<0.20		0.20	0.016	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
1,3-Dichlorobenzene	<0.20		0.20	0.018	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
1,4-Dichlorobenzene	<0.20		0.20	0.018	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.028	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: PMT-1(0-2)-072423

Lab Sample ID: 500-237151-4

Date Collected: 07/24/23 10:00

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.015	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
2,4,6-Trichlorophenol	<0.39		0.39	0.013	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
2,4-Dichlorophenol	<0.39		0.39	0.014	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
2,4-Dimethylphenol	<0.39		0.39	0.087	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
2,4-Dinitrophenol	<0.79		0.79	0.23	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
2,4-Dinitrotoluene	<0.20		0.20	0.022	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
2,6-Dinitrotoluene	<0.20		0.20	0.013	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
2-Chloronaphthalene	<0.20		0.20	0.015	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
2-Chlorophenol	<0.20		0.20	0.013	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
2-Methylnaphthalene	0.017	J	0.079	0.0078	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
2-Methylphenol	<0.20		0.20	0.021	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
2-Nitroaniline	0.025	J	0.20	0.021	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
2-Nitrophenol	<0.39		0.39	0.026	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
3 & 4 Methylphenol	<0.20		0.20	0.029	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.032	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
3-Nitroaniline	<0.39		0.39	0.018	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.22	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.027	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
4-Chloro-3-methylphenol	<0.39		0.39	0.015	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
4-Chloroaniline	<0.79		0.79	0.41	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
4-Nitroaniline	<0.39	+	0.39	0.029	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
4-Nitrophenol	<0.79		0.79	0.14	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Acenaphthene	0.034	J	0.039	0.0079	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Acenaphthylene	<0.039		0.039	0.0066	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Anthracene	0.074		0.039	0.0080	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Benzo[a]anthracene	0.26		0.039	0.0083	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Benzo[a]pyrene	0.33		0.039	0.038	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Benzo[b]fluoranthene	0.42		0.039	0.037	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Benzo[g,h,i]perylene	0.18		0.039	0.0085	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Benzo[k]fluoranthene	0.16		0.039	0.015	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.015	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.018	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.15	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Butyl benzyl phthalate	<0.20		0.20	0.019	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Carbazole	0.017	J	0.20	0.015	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Chrysene	0.34		0.039	0.010	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Dibenz(a,h)anthracene	0.046		0.039	0.039	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Dibenzofuran	0.020	J	0.20	0.014	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Diethyl phthalate	<0.20		0.20	0.018	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Dimethyl phthalate	<0.20		0.20	0.0085	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Di-n-butyl phthalate	<0.20		0.20	0.012	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Di-n-octyl phthalate	<0.39	+	0.39	0.27	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Fluoranthene	0.68		0.039	0.0091	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Fluorene	0.029	J	0.039	0.012	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Hexachlorobenzene	<0.079		0.079	0.0075	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Hexachlorobutadiene	<0.20		0.20	0.022	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Hexachlorocyclopentadiene	<0.79		0.79	0.41	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1
Hexachloroethane	<0.20		0.20	0.020	mg/Kg	☼	07/27/23 13:22	07/31/23 15:14	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: PMT-1(0-2)-072423

Lab Sample ID: 500-237151-4

Date Collected: 07/24/23 10:00

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 84.1

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	0.17		0.039	0.038	mg/Kg	✳	07/27/23 13:22	07/31/23 15:14	1
Isophorone	<0.20		0.20	0.020	mg/Kg	✳	07/27/23 13:22	07/31/23 15:14	1
Naphthalene	0.016	J	0.039	0.0071	mg/Kg	✳	07/27/23 13:22	07/31/23 15:14	1
Nitrobenzene	<0.039		0.039	0.012	mg/Kg	✳	07/27/23 13:22	07/31/23 15:14	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.0077	mg/Kg	✳	07/27/23 13:22	07/31/23 15:14	1
N-Nitrosodiphenylamine	<0.20		0.20	0.023	mg/Kg	✳	07/27/23 13:22	07/31/23 15:14	1
Pentachlorophenol	<0.79		0.79	0.098	mg/Kg	✳	07/27/23 13:22	07/31/23 15:14	1
Phenanthrene	0.41		0.039	0.0085	mg/Kg	✳	07/27/23 13:22	07/31/23 15:14	1
Phenol	<0.20		0.20	0.017	mg/Kg	✳	07/27/23 13:22	07/31/23 15:14	1
Pyrene	0.57		0.039	0.011	mg/Kg	✳	07/27/23 13:22	07/31/23 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	76		31 - 166	07/27/23 13:22	07/31/23 15:14	1
Phenol-d5 (Surr)	82		30 - 153	07/27/23 13:22	07/31/23 15:14	1
Nitrobenzene-d5 (Surr)	80		37 - 147	07/27/23 13:22	07/31/23 15:14	1
2-Fluorobiphenyl (Surr)	80		43 - 145	07/27/23 13:22	07/31/23 15:14	1
2,4,6-Tribromophenol (Surr)	73		31 - 143	07/27/23 13:22	07/31/23 15:14	1
Terphenyl-d14 (Surr)	76		42 - 157	07/27/23 13:22	07/31/23 15:14	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		11	4.7	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Antimony	0.46	J B	1.1	0.22	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Arsenic	8.2		0.57	0.20	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Barium	48		2.9	0.33	mg/Kg	✳	07/26/23 10:30	07/28/23 22:16	5
Beryllium	0.91	B	0.23	0.053	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Cadmium	0.37	B	0.11	0.021	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Calcium	71000		57	9.7	mg/Kg	✳	07/26/23 10:30	07/28/23 22:16	5
Chromium	17		0.57	0.28	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Cobalt	12		0.29	0.075	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Copper	26		0.57	0.16	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Iron	25000		57	30	mg/Kg	✳	07/26/23 10:30	07/28/23 22:16	5
Lead	36		0.29	0.13	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Magnesium	41000		29	14	mg/Kg	✳	07/26/23 10:30	07/28/23 22:16	5
Manganese	380		0.57	0.083	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Nickel	30		0.57	0.17	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Potassium	2200		29	10	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Selenium	0.47	J	0.57	0.34	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Silver	1.1		0.29	0.074	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Sodium	1700		57	8.4	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Thallium	<0.57		0.57	0.28	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Vanadium	21		0.29	0.067	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	1
Zinc	72		1.1	0.50	mg/Kg	✳	07/26/23 10:30	07/27/23 21:44	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		08/01/23 07:56	08/01/23 20:01	1
Barium	0.42	J	0.50	0.050	mg/L		08/01/23 07:56	08/01/23 20:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/01/23 07:56	08/01/23 20:01	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		08/01/23 07:56	08/01/23 20:01	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: PMT-1(0-2)-072423

Lab Sample ID: 500-237151-4

Date Collected: 07/24/23 10:00

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 84.1

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		08/01/23 07:56	08/01/23 20:01	1
Cobalt	0.023	J	0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:01	1
Copper	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:01	1
Iron	0.37	J	0.40	0.20	mg/L		08/01/23 07:56	08/01/23 20:01	1
Lead	0.022		0.0075	0.0075	mg/L		08/01/23 07:56	08/01/23 20:01	1
Manganese	4.7		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:01	1
Nickel	0.022	J	0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:01	1
Selenium	<0.050		0.050	0.020	mg/L		08/01/23 07:56	08/01/23 20:01	1
Silver	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 20:01	1
Zinc	0.043	J	0.50	0.020	mg/L		08/01/23 07:56	08/01/23 20:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.071		0.050	0.010	mg/L		08/01/23 07:58	08/01/23 17:50	1
Barium	0.46	J	0.50	0.050	mg/L		08/01/23 07:58	08/01/23 17:50	1
Beryllium	0.0082		0.0040	0.0040	mg/L		08/01/23 07:58	08/01/23 17:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/01/23 07:58	08/01/23 17:50	1
Chromium	0.15		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:50	1
Cobalt	0.066		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:50	1
Copper	0.20		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:50	1
Iron	180		0.40	0.20	mg/L		08/03/23 13:12	08/03/23 19:12	1
Lead	0.34		0.0075	0.0075	mg/L		08/01/23 07:58	08/01/23 17:50	1
Manganese	1.4		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:50	1
Nickel	0.18		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:50	1
Selenium	<0.050		0.050	0.020	mg/L		08/01/23 07:58	08/01/23 17:50	1
Silver	<0.025		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:50	1
Zinc	0.46	J	0.50	0.020	mg/L		08/01/23 07:58	08/01/23 17:50	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		08/01/23 10:30	08/02/23 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		08/02/23 10:35	08/03/23 06:26	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	☼	08/01/23 15:25	08/02/23 10:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.2	0.2	SU			07/28/23 19:28	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

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.
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.
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)

Eurofins Chicago

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Glossary (Continued)

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

1

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

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	04-29-24

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
8260D	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



Chain of Custody Record

667768



Environment Testing America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager A Siesers		Site Contact C DAVIDS		Date: 07-24-2023		COC No 667768	
Company Name Weston Solutions, Inc.		Tel/Email		Lab Contact J. KNAPP		Carrier:		L of 1 COCs	
Address 300 Knightsbridge Pkwy		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SVOCs TOTA Metals TELP/SPLP metals PH				Sampler	
City/State/Zip Lincolnshire, IL 60069		<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 <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Lab Sampling	
Project Name 057 - Palati		500-237151 COC Sample Identifica...		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)	
Site				Matrix		# of Cont.		Job / SDG No 057	
P O #								500-237151	
								Sample Specific Notes	
1 RB7-3(0-2)-072423		07/24/23		0920		G		S	
2 RB7-2(0-2)-072423				0925					
3 RB7-1(0-2)-072423				0945					
4 PMT-1(0-2)-072423				1000					
5 RB4-3(0-5)-072423				1010					
6 RB4-3(0-5)-072423D				1010					
7 RB4-2(0-5)-072423				1020					
8 RB4-1(0-5)-072423				1030					
9 PHG-1(0-5)-072423				1045					
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"/> 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 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 23 Corr'd 1.9		Therm ID No. _____			
Relinquished by [Signature]		Company Weston Solutions		Date/Time 07/24/23 1135		Received by [Signature]		Company EEPA	
Relinquished by [Signature]		Company EEPA		Date/Time 7/25 1315		Received by [Signature]		Company EEPA	
Relinquished by [Signature]		Company EEPA		Date/Time 7/25/23 1315		Received in Laboratory by [Signature]		Company EEPA	

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-237151-1

Login Number: 237151

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 343 - IL 68 (Dundee Rd) - Pendleton to Smith Office Phone Number, if available: _____

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

413 W. Dundee Road (ISGS Site 3322AV-7)

City: Palatine State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 42.13931 Longitude: -88.04968
(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.): 136

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)]:

LOCATION RB7-2 WAS SAMPLED AT ISGS SITE NO. 3322AV-7. 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: 500-237151-1. 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

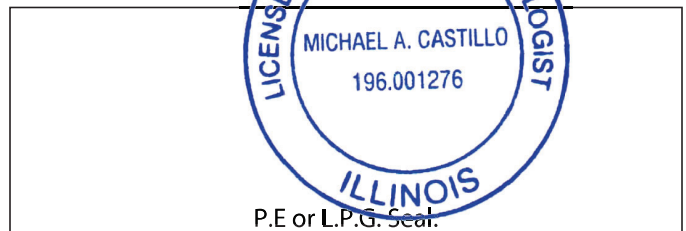
Michael A. Castillo, P.G.
Printed Name:

Michael A. Castillo

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

29 September 2023

Date:



Summary Table
ISGS Site No: 3799V-7 - Residential Buildings
FAP 343 IL 68 (Dundee Road) - From Pendleton Court to Smith Road
Palatine, Cook County, Illinois

Location	Soil Reference Concentrations (MAC Table)	RB7-2
Sample Date		7/24/2023
Field Sample ID		RB7-2(0-2)-072423
ISGS Site No.		3322AV-7
Laboratory pH	<6.25,>9.0	8.8
VOCs		No Exceedances
SVOCs (mg/kg)		
Acenaphthene	570	0.029 J
Anthracene	12000	0.14
Benzo(a)anthracene	0.9 / 11 / 1.8	0.55
Benzo(a)pyrene	0.09 / 11 / 2.1	0.73
Benzo(b)fluoranthene	0.9 / 13 / 2.1	1.1
Benzo(g,h,i)perylene	---	0.55
Benzo(k)fluoranthene	9	0.43
Carbazole	0.6	0.066 J
Chrysene	88	0.78
Dibenzo(a,h)anthracene	0.09 / 1.0 / 0.42	0.11
Fluoranthene	3100	1.6
Fluorene	560	0.032 J
Indeno(1,2,3-cd)pyrene	0.9 / 5.8 / 1.6	0.54
Phenanthrene	---	0.68
Pyrene	2300	1.2
Total Metals (mg/kg)		
Aluminum, Total	---	12000
Antimony, Total	5	ND
Arsenic, Total	11.3 / 13.0	8.3
Barium, Total	1500	72
Beryllium, Total	22	0.89 J
Cadmium, Total	5.2	0.27 J
Calcium, Total	---	57000
Chromium, Total	21	20
Cobalt, Total	20	12
Copper, Total	2900	28
Iron, Total	15000 / 15900	20000
Lead, Total	107	43
Magnesium, Total	325000	28000
Manganese, Total	630 / 636	380
Mercury, Total	0.89	0.034
Nickel, Total	100	29
Potassium, Total	---	2100
Selenium, Total	1.3	0.67
Silver, Total	4.4	1.1
Sodium, Total	---	1800
Thallium, Total	2.6	ND
Vanadium, Total	550	23
Zinc, Total	5100	75
TCLP Metals (mg/l)		
Arsenic, TCLP	0.05	ND
Barium, TCLP	2	0.33 J
Beryllium, TCLP	0.004	ND
Cadmium, TCLP	0.005	ND
Chromium, TCLP	0.1	ND
Cobalt, TCLP	1	0.03
Copper, TCLP	0.65	ND
Iron, TCLP	5	0.47
Lead, TCLP	0.0075	0.012
Manganese, TCLP	0.15	11
Mercury, TCLP	0.002	ND
Nickel, TCLP	0.1	0.018 J
Selenium, TCLP	0.05	ND
Silver, TCLP	0.05	ND
Zinc, TCLP	5	0.072 J

Summary Table
ISGS Site No: 3799V-7 - Residential Buildings
FAP 343 IL 68 (Dundee Road) - From Pendleton Court to Smith Road
Palatine, Cook County, Illinois

Location	Soil Reference Concentrations (MAC Table)	RB7-2
Sample Date		7/24/2023
Field Sample ID		RB7-2(0-2)-072423
ISGS Site No.		3322AV-7
SPLP Metals (mg/l)		
Arsenic, SPLP	0.05	0.051
Barium, SPLP	2	0.43 J
Beryllium, SPLP	0.004	0.0068
Cadmium, SPLP	0.005	ND
Chromium, SPLP	0.1	0.14 J
Cobalt, SPLP	1	0.057
Copper, SPLP	0.65	0.19
Iron, SPLP	5	150 J
Lead, SPLP	0.0075	0.44
Manganese, SPLP	0.15	1.5
Mercury, SPLP	0.002	ND
Nickel, SPLP	0.1	0.15
Selenium, SPLP	0.05	ND
Silver, SPLP	0.05	ND
Zinc, SPLP	5	0.49 J


Notes:

--- - 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.

 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 8/4/2023 3:39:18 PM

JOB DESCRIPTION

IDOT - FAP 343 IL 68 - WO 057

JOB NUMBER

500-237151-1

Eurofins Chicago

Job Notes

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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 - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB7-2(0-2)-072423

Lab Sample ID: 500-237151-2

Date Collected: 07/24/23 09:25

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.042		0.025	0.011	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Benzene	<0.0025		0.0025	0.00064	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Bromodichloromethane	<0.0025		0.0025	0.00051	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Bromoform	<0.0025		0.0025	0.00073	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Bromomethane	<0.0063		0.0063	0.0024	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Carbon disulfide	<0.0063		0.0063	0.0013	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Carbon tetrachloride	<0.0025		0.0025	0.00073	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Chlorobenzene	<0.0025		0.0025	0.00092	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Chloroethane	<0.0063		0.0063	0.0019	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Chloroform	<0.0025		0.0025	0.00087	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Chloromethane	<0.0063		0.0063	0.0025	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
cis-1,2-Dichloroethene	<0.0025		0.0025	0.00070	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
cis-1,3-Dichloropropene	<0.0025		0.0025	0.00075	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Dibromochloromethane	<0.0025		0.0025	0.00082	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
1,1-Dichloroethane	<0.0025		0.0025	0.00086	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
1,2-Dichloroethane	<0.0063		0.0063	0.0020	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
1,1-Dichloroethene	<0.0025		0.0025	0.00086	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
1,2-Dichloropropane	<0.0025		0.0025	0.00065	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
1,3-Dichloropropene, Total	<0.0025		0.0025	0.00088	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Ethylbenzene	<0.0025		0.0025	0.0012	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
2-Hexanone	<0.0063		0.0063	0.0020	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Methylene Chloride	<0.0063		0.0063	0.0025	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Methyl Ethyl Ketone	<0.0063		0.0063	0.0028	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
methyl isobutyl ketone	<0.0063		0.0063	0.0019	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Methyl tert-butyl ether	<0.0025		0.0025	0.00073	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Styrene	<0.0025		0.0025	0.00076	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
1,1,2,2-Tetrachloroethane	<0.0025		0.0025	0.00080	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Tetrachloroethene	<0.0025		0.0025	0.00085	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Toluene	<0.0025		0.0025	0.00063	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
trans-1,2-Dichloroethene	<0.0025		0.0025	0.0011	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
trans-1,3-Dichloropropene	<0.0025		0.0025	0.00088	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
1,1,1-Trichloroethane	<0.0025		0.0025	0.00084	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
1,1,2-Trichloroethane	<0.0025		0.0025	0.0011	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Trichloroethene	<0.0025		0.0025	0.00085	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Vinyl chloride	<0.0025		0.0025	0.0011	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1
Xylenes, Total	<0.0050		0.0050	0.00080	mg/Kg	✱	07/25/23 17:42	07/28/23 03:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		75 - 131	07/25/23 17:42	07/28/23 03:42	1
Dibromofluoromethane (Surr)	114		75 - 126	07/25/23 17:42	07/28/23 03:42	1
1,2-Dichloroethane-d4 (Surr)	130		70 - 134	07/25/23 17:42	07/28/23 03:42	1
Toluene-d8 (Surr)	118		75 - 124	07/25/23 17:42	07/28/23 03:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.40		0.40	0.057	mg/Kg	✱	07/27/23 13:22	07/31/23 16:29	2
1,2-Dichlorobenzene	<0.40		0.40	0.032	mg/Kg	✱	07/27/23 13:22	07/31/23 16:29	2
1,3-Dichlorobenzene	<0.40		0.40	0.036	mg/Kg	✱	07/27/23 13:22	07/31/23 16:29	2
1,4-Dichlorobenzene	<0.40		0.40	0.038	mg/Kg	✱	07/27/23 13:22	07/31/23 16:29	2
2,2'-oxybis[1-chloropropane]	<0.40		0.40	0.057	mg/Kg	✱	07/27/23 13:22	07/31/23 16:29	2

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB7-2(0-2)-072423

Lab Sample ID: 500-237151-2

Date Collected: 07/24/23 09:25

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.79		0.79	0.030	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
2,4,6-Trichlorophenol	<0.79		0.79	0.027	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
2,4-Dichlorophenol	<0.79		0.79	0.028	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
2,4-Dimethylphenol	<0.79		0.79	0.18	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
2,4-Dinitrophenol	<1.6		1.6	0.46	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
2,4-Dinitrotoluene	<0.40		0.40	0.045	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
2,6-Dinitrotoluene	<0.40		0.40	0.027	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
2-Chloronaphthalene	<0.40		0.40	0.030	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
2-Chlorophenol	<0.40		0.40	0.026	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
2-Methylnaphthalene	<0.16		0.16	0.016	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
2-Methylphenol	<0.40		0.40	0.042	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
2-Nitroaniline	<0.40		0.40	0.043	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
2-Nitrophenol	<0.79		0.79	0.054	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
3 & 4 Methylphenol	<0.40		0.40	0.058	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
3,3'-Dichlorobenzidine	<0.40		0.40	0.065	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
3-Nitroaniline	<0.79		0.79	0.036	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
4,6-Dinitro-2-methylphenol	<1.6		1.6	0.45	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
4-Bromophenyl phenyl ether	<0.40		0.40	0.055	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
4-Chloro-3-methylphenol	<0.79		0.79	0.031	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
4-Chloroaniline	<1.6		1.6	0.84	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
4-Chlorophenyl phenyl ether	<0.40		0.40	0.10	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
4-Nitroaniline	<0.79	+	0.79	0.059	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
4-Nitrophenol	<1.6		1.6	0.30	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Acenaphthene	0.029	J	0.079	0.016	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Acenaphthylene	<0.079		0.079	0.014	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Anthracene	0.14		0.079	0.016	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Benzo[a]anthracene	0.55		0.079	0.017	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Benzo[a]pyrene	0.73		0.079	0.077	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Benzo[b]fluoranthene	1.1		0.079	0.076	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Benzo[g,h,i]perylene	0.55		0.079	0.017	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Benzo[k]fluoranthene	0.43		0.079	0.030	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Bis(2-chloroethoxy)methane	<0.40		0.40	0.030	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Bis(2-chloroethyl)ether	<0.40		0.40	0.037	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Bis(2-ethylhexyl) phthalate	<0.40		0.40	0.31	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Butyl benzyl phthalate	<0.40		0.40	0.040	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Carbazole	0.066	J	0.40	0.031	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Chrysene	0.78		0.079	0.021	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Dibenz(a,h)anthracene	0.11		0.079	0.079	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Dibenzofuran	<0.40		0.40	0.028	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Diethyl phthalate	<0.40		0.40	0.037	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Dimethyl phthalate	<0.40		0.40	0.017	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Di-n-butyl phthalate	<0.40		0.40	0.025	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Di-n-octyl phthalate	<0.79	+	0.79	0.56	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Fluoranthene	1.6		0.079	0.019	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Fluorene	0.032	J	0.079	0.024	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Hexachlorobenzene	<0.16		0.16	0.015	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Hexachlorobutadiene	<0.40		0.40	0.045	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Hexachlorocyclopentadiene	<1.6		1.6	0.85	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Hexachloroethane	<0.40		0.40	0.040	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB7-2(0-2)-072423

Lab Sample ID: 500-237151-2

Date Collected: 07/24/23 09:25

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 82.5

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	0.54		0.079	0.078	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Isophorone	<0.40		0.40	0.041	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Naphthalene	<0.079		0.079	0.014	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Nitrobenzene	<0.079		0.079	0.025	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
N-Nitrosodi-n-propylamine	<0.16		0.16	0.016	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
N-Nitrosodiphenylamine	<0.40		0.40	0.047	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Pentachlorophenol	<1.6		1.6	0.20	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Phenanthrene	0.68		0.079	0.017	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Phenol	<0.40		0.40	0.035	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Pyrene	1.2		0.079	0.022	mg/Kg	✳	07/27/23 13:22	07/31/23 16:29	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	68		31 - 166				07/27/23 13:22	07/31/23 16:29	2
Phenol-d5 (Surr)	78		30 - 153				07/27/23 13:22	07/31/23 16:29	2
Nitrobenzene-d5 (Surr)	73		37 - 147				07/27/23 13:22	07/31/23 16:29	2
2-Fluorobiphenyl (Surr)	73		43 - 145				07/27/23 13:22	07/31/23 16:29	2
2,4,6-Tribromophenol (Surr)	70		31 - 143				07/27/23 13:22	07/31/23 16:29	2
Terphenyl-d14 (Surr)	70		42 - 157				07/27/23 13:22	07/31/23 16:29	2

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		11	4.7	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Antimony	0.62	J B	1.1	0.22	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Arsenic	8.3		0.57	0.20	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Barium	72		0.57	0.065	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Beryllium	0.89	B	0.23	0.053	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Cadmium	0.27	B	0.11	0.021	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Calcium	57000		57	9.7	mg/Kg	✳	07/26/23 10:30	07/28/23 22:12	5
Chromium	20		0.57	0.28	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Cobalt	12		0.29	0.075	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Copper	28		0.57	0.16	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Iron	20000		11	5.9	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Lead	43		0.29	0.13	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Magnesium	28000		5.7	2.8	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Manganese	380		0.57	0.083	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Nickel	29		0.57	0.17	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Potassium	2100		29	10	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Selenium	0.67		0.57	0.34	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Silver	1.1		0.29	0.074	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Sodium	1800		57	8.4	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Thallium	<0.57		0.57	0.28	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Vanadium	23		0.29	0.067	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	1
Zinc	75		1.1	0.50	mg/Kg	✳	07/26/23 10:30	07/27/23 21:37	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		08/01/23 07:56	08/01/23 19:54	1
Barium	0.33	J	0.50	0.050	mg/L		08/01/23 07:56	08/01/23 19:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		08/01/23 07:56	08/01/23 19:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/01/23 07:56	08/01/23 19:54	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

Client Sample ID: RB7-2(0-2)-072423

Lab Sample ID: 500-237151-2

Date Collected: 07/24/23 09:25

Matrix: Solid

Date Received: 07/25/23 13:15

Percent Solids: 82.5

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		08/01/23 07:56	08/01/23 19:54	1
Cobalt	0.030		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 19:54	1
Copper	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 19:54	1
Iron	0.47		0.40	0.20	mg/L		08/01/23 07:56	08/01/23 19:54	1
Lead	0.012		0.0075	0.0075	mg/L		08/01/23 07:56	08/01/23 19:54	1
Manganese	11		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 19:54	1
Nickel	0.018	J	0.025	0.010	mg/L		08/01/23 07:56	08/01/23 19:54	1
Selenium	<0.050		0.050	0.020	mg/L		08/01/23 07:56	08/01/23 19:54	1
Silver	<0.025		0.025	0.010	mg/L		08/01/23 07:56	08/01/23 19:54	1
Zinc	0.072	J	0.50	0.020	mg/L		08/01/23 07:56	08/01/23 19:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.051		0.050	0.010	mg/L		08/01/23 07:58	08/01/23 17:43	1
Barium	0.43	J	0.50	0.050	mg/L		08/01/23 07:58	08/01/23 17:43	1
Beryllium	0.0068		0.0040	0.0040	mg/L		08/01/23 07:58	08/01/23 17:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		08/01/23 07:58	08/01/23 17:43	1
Chromium	0.14		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:43	1
Cobalt	0.057		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:43	1
Copper	0.19		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:43	1
Iron	150		0.40	0.20	mg/L		08/03/23 13:12	08/03/23 19:05	1
Lead	0.44		0.0075	0.0075	mg/L		08/01/23 07:58	08/01/23 17:43	1
Manganese	1.5		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:43	1
Nickel	0.15		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:43	1
Selenium	<0.050		0.050	0.020	mg/L		08/01/23 07:58	08/01/23 17:43	1
Silver	<0.025		0.025	0.010	mg/L		08/01/23 07:58	08/01/23 17:43	1
Zinc	0.49	J	0.50	0.020	mg/L		08/01/23 07:58	08/01/23 17:43	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		08/01/23 10:30	08/02/23 10:09	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		08/02/23 10:35	08/03/23 06:21	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	☼	08/01/23 15:25	08/02/23 10:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.8		0.2	0.2	SU			07/28/23 19:23	1

Definitions/Glossary

Client: Weston Solutions, Inc.
 Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

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.
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.
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)

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

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 - FAP 343 IL 68 - WO 057

Job ID: 500-237151-1

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	04-29-24

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
8260D	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Chain of Custody Record

667768



Environment Testing
America

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact			Project Manager A Siesers			Site Contact C DAVIDS			Date: 07-24-2023			COC No 667768			
Company Name Weston Solutions, Inc.			Tel/Email			Lab Contact J. KNAPP			Carrier:			____ of ____ COCs			
Address 300 Knightsbridge Pkwy			Analysis Turnaround Time						Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SVOCs TOTA Metals TELP/SLP metals PH			Sampler			
City/State/Zip Lincolnshire, IL 60069			<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS			TAT if different from Below _____						For Lab Use Only: Walk-in Client. <input type="checkbox"/> Lab Sampling <input type="checkbox"/>			
Phone			<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day			Job / SDG No 057						500-237151			
Fax Project Name 057 - Palati Site P O #						Sample Date Sample Time Sample Type (C=Comp, G=Grab) Matrix # of Cont.						Sample Specific Notes			
500-237151 COC Sample Identifica...															
1	RB7-3(0-2)-072423		07/24/23	0920	G	S	0			X	X	X	X	X	
2	RB7-2(0-2)-072423			0925											
3	RB7-1(0-2)-072423			0945											
4	PMT-1(0-2)-072423			1000											
5	RB4-3(0-5)-072423			1010											
6	RB4-3(0-5)-072423D			1010											
7	RB4-2(0-5)-072423			1020											
8	RB4-1(0-5)-072423			1030											
9	PHG-1(0-5)-072423			1045											
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 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 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 23 Corr'd 1.9			Therm ID No.						
Relinquished by <i>[Signature]</i>			Company Weston Solutions		Date/Time 07/24/23 1135		Received by <i>[Signature]</i>			Company EEPA		Date/Time 7/25 1045			
Relinquished by <i>[Signature]</i>			Company EEPA		Date/Time 7/25 1315		Received by <i>[Signature]</i>			Company EEPA		Date/Time 7/25/23 1315			
Relinquished by <i>[Signature]</i>			Company EEPA		Date/Time 7/25/23 1315		Received in Laboratory by <i>[Signature]</i>			Company EEPA		Date/Time 7/25/23 1315			



Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 500-237151-1

Login Number: 237151

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

