



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 333 - Belvidere Rd at Des Plaines River Office Phone Number, if available: _____

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

Des Plaines River: 15900 Block of Belvidere Road (ISGS Site No. 3518V-15)

City: _____ State: IL Zip Code: _____

County: Lake Township: Warren

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

Latitude: 42.34392 Longitude: - 87.94119

(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.): 656

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 W. Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: _____

Contact: 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: _____

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 R-1, R-3, AND R-4 WERE SAMPLED FROM ISGS SITE NO. 3518V-15. 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 REPORT - JOB ID: 500-247499-1. 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, Timothy A. Walls, 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.

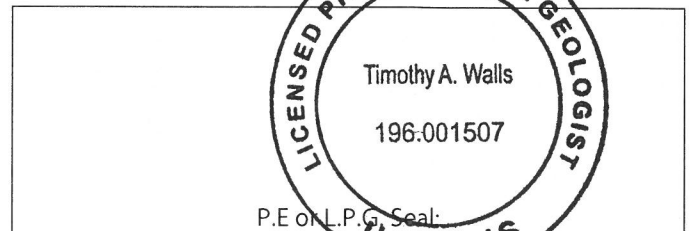
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

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

Timothy A. Walls, P.G.
Printed Name:

Timothy A. Walls
Licensed Professional Engineer or
Licensed Professional Geologist Signature:

1 October 2024
Date:



Summary Table of ISGS Site No. 3518V-15
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
FAP 333 - Belvidere Rd at Des Plaines River
Warren Township, Lake County, IL

Location	Soil Reference Concentrations (MAC Table)	R-1	R-3	R-3	R-4
Sample Date		3/13/2024	3/13/2024	3/13/2024	3/13/2024
Field Sample ID		R-1(0-3.5)-031324	R-3(0-3.5)-031324	R-3(0-3.5)-031324D	R-4(0-3.5)-031324
Sample Depth		0-3.5	0-3.5	0-3.5	0-3.5
ISGS Site No.		3518V-15	3518V-15	3518V-15	3518V-15
Laboratory pH	<6.25; >9.0	7.8	7.9	7.8	8.1
VOCs (mg/kg)					
Acetone	25	0.026	ND	ND	ND
Methyl ethyl ketone	---	0.0048	ND	ND	ND
SVOCs (mg/kg)					
Acenaphthene	570	ND	ND	ND	0.0099 J
Anthracene	12000	0.011 J	ND	0.015 J	0.03 J
Benzo(a)anthracene	0.9	0.046	0.012 J	0.038 J	0.097
Benzo(a)pyrene	0.09	0.058	ND	ND	0.14
Benzo(b)fluoranthene	0.9	0.055	ND	ND	0.17
Benzo(g,h,i)perylene	---	0.028 J	ND	0.022 J	0.1 J
Benzo(k)fluoranthene	9	0.017 J	ND	ND	0.055
bis(2-Ethylhexyl)phthalate	46	ND	ND	ND	0.16 J
Chrysene	88	0.039 J	ND	0.035 J	0.11
Fluoranthene	3100	0.074	0.012 J	0.075	0.2
Indeno(1,2,3-cd)pyrene	0.9	0.05 J	ND	ND	0.14 J
Phenanthrene	---	0.025 J	ND	0.062	0.11
Pyrene	2300	0.079	ND	0.067	0.19
Herbicides		None Detected			
Pesticides (mg/kg)					
4,4-DDD	3	ND	ND	ND	0.0029
Beta-BHC	---	0.0044	ND	ND	ND
PCBs (mg/kg)					
Aroclor-1248	1	ND	ND	0.02 J	0.076
Total Metals (mg/kg)					
Aluminum, Total	---	9700	5800	7400	5500
Antimony, Total	5	ND	ND	ND	ND
Arsenic, Total	11.3	2.9	2	2.8	2.4
Barium, Total	1500	41	25 J	47 J	42
Beryllium, Total	22	0.47	0.31	ND	0.37
Cadmium, Total	5.2	0.28 J	0.29 J	0.73 J	0.37 J
Calcium, Total	---	32000	33000 J	63000 J	29000
Chromium, Total	21	12	10	13	9
Cobalt, Total	20	9.2	4.8	6.6	5.3
Copper, Total	2900	17	14 J	25 J	11
Iron, Total	15000	12000	8600	11000	11000
Lead, Total	107	14	11 J	66 J	24
Magnesium, Total	325000	16000	19000	25000	15000
Manganese, Total	630	190	210	290	380
Mercury, Total	0.89	0.023	ND	ND	0.025
Nickel, Total	100	23	13	17	9.8
Potassium, Total	---	1000	820	1100	770
Selenium, Total	1.3	ND	0.48 J	1.2	0.52 J
Silver, Total	4.4	0.38	0.42	0.78 J	0.41
Sodium, Total	---	200	990 J	1700 J	330
Thallium, Total	2.6	ND	ND	ND	ND
Vanadium, Total	550	22	17	17	12
Zinc, Total	5100	63	40 J	87 J	44

Summary Table of IGS Site No. 3518V-15
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Warren Township, Lake County, IL

Location	Soil Reference Concentrations (MAC Table)	R-1	R-3	R-3	R-4
Sample Date		3/13/2024	3/13/2024	3/13/2024	3/13/2024
Field Sample ID		R-1(0-3.5)-031324	R-3(0-3.5)-031324	R-3(0-3.5)-031324D	R-4(0-3.5)-031324
Sample Depth		0-3.5	0-3.5	0-3.5	0-3.5
TCLP Metals (mg/l)					
Arsenic, TCLP	0.05	ND	ND	ND	ND
Barium, TCLP	2	0.45 J	ND	0.69	0.45 J
Beryllium, TCLP	0.004	ND	ND	ND	ND
Cadmium, TCLP	0.005	ND	ND	ND	0.0051
Chromium, TCLP	0.1	ND	ND	ND	ND
Cobalt, TCLP	1	0.039	ND	0.044	0.04
Copper, TCLP	0.65	ND	ND	ND	ND
Iron, TCLP	5	ND	1.3 J	ND	8.4
Lead, TCLP	0.0075	ND	ND	0.011	0.015
Manganese, TCLP	0.15	1.4	0.69 J	7.7 J	7.7
Mercury, TCLP	0.002	ND	ND	ND	ND
Nickel, TCLP	0.1	0.044	0.012 J	0.034	0.16
Selenium, TCLP	0.05	ND	ND	ND	ND
Silver, TCLP	0.05	ND	ND	ND	ND
Zinc, TCLP	5	0.08 J	0.039 J	0.087 J	1.6
SPLP Metals (mg/l)					
Arsenic, SPLP	0.05	ND	ND	ND	ND
Barium, SPLP	2	0.24 J	0.1 J	0.097 J	0.055 J
Beryllium, SPLP	0.004	ND	ND	ND	ND
Cadmium, SPLP	0.005	ND	ND	ND	ND
Chromium, SPLP	0.1	0.053	0.036	0.03	0.014 J
Cobalt, SPLP	1	0.021 J	ND	ND	ND
Copper, SPLP	0.65	0.054	0.031	0.026	0.042
Iron, SPLP	5	48	26	22	16
Lead, SPLP	0.0075	0.055 J	0.023 J	0.026 J	0.18 J
Manganese, SPLP	0.15	0.28	0.094	0.081	0.16
Mercury, SPLP	0.002	ND	ND	ND	ND
Nickel, SPLP	0.1	0.053	0.031	0.021 J	ND
Selenium, SPLP	0.05	ND	ND	ND	ND
Silver, SPLP	0.05	ND	ND	ND	ND
Zinc, SPLP	5	0.18 J	0.12 J	0.1 J	0.18 J

Notes:

--- - not applicable or value not available.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Yellow shaded values indicate concentration **exceeds** MAC Table Reference Concentration.

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

JOB NUMBER

500-247499-1

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
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Case Narrative

Client: Weston Solutions Inc
Project: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Job ID: 500-247499-1

Eurofins Chicago

Job Narrative 500-247499-1

Receipt

The samples were received on 3/14/2024 2:14 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.3° C.

GC/MS VOA

Method 8260D: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 500-758398 and analytical batch 500-758643 recovered outside control limits for the following analytes: Vinyl chloride. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported. R-3(0-3.5)-031324 (500-247499-1), R-3(0-3.5)-031324D (500-247499-2), R-1(0-3.5)-031324 (500-247499-3), R-4(0-3.5)-031324 (500-247499-4) and R-2(0-3.5)-031324 (500-247499-5)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 500-759519 was outside the method criteria for the following analyte(s): 2,4-Dinitrophenol, 4-Nitrophenol, Hexachlorocyclopentadiene and Pentachlorophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The continuing calibration verification (CCV) analyzed in 500-759519 was outside the method criteria for the following analyte(s): 4-Bromophenyl phenyl ether, Benzo[g,h,i]perylene, Hexachlorobenzene and Indeno[1,2,3-cd]pyrene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 3 analytes to recover outside criteria for this method when utilizing this list of analytes. The LCS associated with preparation batch 500-759369 and analytical batch 500-759519 had 1 analyte outside control limits: 4-Nitrophenol. These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8081B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 500-758858 and analytical batch 500-759167 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8081B: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: R-2(0-3.5)-031324 (500-247499-5), (500-247499-F-5-B MS) and (500-247499-F-5-C MSD).

Method 8081B: The following samples were diluted due to the nature of the sample matrix: R-2(0-3.5)-031324 (500-247499-5), (500-247499-F-5-B MS) and (500-247499-F-5-C MSD). Elevated reporting limits (RLs) are provided.

Method 8081B: DCB Decachlorobiphenyl surrogate recovery for the following sample was outside control limits: (500-247499-F-5-B MS). Tetrachloro-m-xylene surrogate was within the control limits; therefore, re-extraction and/or re-analysis was not performed.

Method 8082A: Surrogate DCB Decachlorobiphenyl is outside acceptable limits for the following continuing control verification (CCVIS): (CCVIS 500-758960/3). Surrogate Tetrachloro-m-xylene is within acceptable limits; therefore, re-analysis was not performed.

Method 8082A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 500-758858 and analytical batch 500-759123 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8082A: DCB Decachlorobiphenyl surrogate recovery for the following sample was outside control limits: (CCVIS 500-759123/3). Tetrachloro-m-xylene surrogate was within the control limits; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Case Narrative

Client: Weston Solutions Inc
Project: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Job ID: 500-247499-1 (Continued)

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Metals

Method 6010D: The linear range check standard (LRC) for AD batch 760158 was outside the 90-110% control limits for Pb (111%). The high standard read back was within control limits. All sample results were below the high standard and have been reported as qualified data. (LRC 500-760158/22)

Method 6010D: The initial calibration verification (ICV) result for batch 760158 was above the 90-110% upper control limit. The affected analytes are: Zn (111%). Associated sample results were below the reporting limit and have been reported as qualified data.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Method Summary

Client: Weston Solutions Inc
Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines
River

Job ID: 500-247499-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CHI
8081B	Organochlorine Pesticides (GC)	SW846	EET CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CHI
8151A	Herbicides (GC)	SW846	EET CHI
6010D	Metals (ICP)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
7471B	Mercury (CVAA)	SW846	EET CHI
9045D	pH	SW846	EET CHI
Moisture	Percent Moisture	EPA	EET CHI
1311	TCLP Extraction	SW846	EET CHI
1312	SPLP Extraction	SW846	EET CHI
3010A	Preparation, Total Metals	SW846	EET CHI
3050B	Preparation, Metals	SW846	EET CHI
3541	Automated Soxhlet Extraction	SW846	EET CHI
3546	Microwave Extraction	SW846	EET CHI
5035	Closed System Purge and Trap	SW846	EET CHI
7470A	Preparation, Mercury	SW846	EET CHI
7471B	Preparation, Mercury	SW846	EET CHI
8151A	Extraction (Herbicides)	SW846	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Weston Solutions Inc
Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines
River

Job ID: 500-247499-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-247499-1	R-3(0-3.5)-031324	Solid	03/13/24 15:05	03/14/24 14:14
500-247499-2	R-3(0-3.5)-031324D	Solid	03/13/24 15:05	03/14/24 14:14
500-247499-3	R-1(0-3.5)-031324	Solid	03/13/24 15:10	03/14/24 14:14
500-247499-4	R-4(0-3.5)-031324	Solid	03/13/24 15:55	03/14/24 14:14
500-247499-5	R-2(0-3.5)-031324	Solid	03/13/24 16:20	03/14/24 14:14

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Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Client Sample ID: R-3(0-3.5)-031324

Lab Sample ID: 500-247499-1

Date Collected: 03/13/24 15:05

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 67.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.031		0.031	0.013	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Benzene	<0.0031		0.0031	0.00078	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Bromodichloromethane	<0.0031		0.0031	0.00062	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Bromoform	<0.0031		0.0031	0.00089	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Bromomethane	<0.0077		0.0077	0.0029	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Carbon disulfide	<0.0077		0.0077	0.0016	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Carbon tetrachloride	<0.0031		0.0031	0.00089	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Chlorobenzene	<0.0031		0.0031	0.0011	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Chloroethane	<0.0077		0.0077	0.0023	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Chloroform	<0.0031		0.0031	0.0011	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Chloromethane	<0.0077		0.0077	0.0031	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
cis-1,2-Dichloroethene	<0.0031		0.0031	0.00086	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
cis-1,3-Dichloropropene	<0.0031		0.0031	0.00092	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Dibromochloromethane	<0.0031		0.0031	0.0010	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
1,1-Dichloroethane	<0.0031		0.0031	0.0010	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
1,2-Dichloroethane	<0.0077		0.0077	0.0024	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
1,1-Dichloroethene	<0.0031		0.0031	0.0011	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
1,2-Dichloropropane	<0.0031		0.0031	0.00079	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
1,3-Dichloropropene, Total	<0.0031		0.0031	0.0011	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Ethylbenzene	<0.0031		0.0031	0.0015	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
2-Hexanone	<0.0077		0.0077	0.0024	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Methylene Chloride	<0.0077		0.0077	0.0030	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Methyl Ethyl Ketone	<0.0077		0.0077	0.0034	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
methyl isobutyl ketone	<0.0077		0.0077	0.0023	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Methyl tert-butyl ether	<0.0031		0.0031	0.00090	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Styrene	<0.0031		0.0031	0.00092	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
1,1,2,2-Tetrachloroethane	<0.0031		0.0031	0.00098	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Tetrachloroethene	<0.0031		0.0031	0.0010	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Toluene	<0.0031		0.0031	0.00077	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
trans-1,2-Dichloroethene	<0.0031		0.0031	0.0014	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
trans-1,3-Dichloropropene	<0.0031		0.0031	0.0011	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
1,1,1-Trichloroethane	<0.0031		0.0031	0.0010	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
1,1,2-Trichloroethane	<0.0031		0.0031	0.0013	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Trichloroethene	<0.0031		0.0031	0.0010	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Vinyl chloride	<0.0031	*+	0.0031	0.0014	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1
Xylenes, Total	<0.0061		0.0061	0.00098	mg/Kg	✳	03/14/24 17:04	03/18/24 12:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		75 - 131	03/14/24 17:04	03/18/24 12:32	1
Dibromofluoromethane (Surr)	110		75 - 126	03/14/24 17:04	03/18/24 12:32	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	03/14/24 17:04	03/18/24 12:32	1
Toluene-d8 (Surr)	104		75 - 124	03/14/24 17:04	03/18/24 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.24		0.24	0.034	mg/Kg	✳	03/21/24 12:11	03/22/24 18:38	1
1,2-Dichlorobenzene	<0.24		0.24	0.019	mg/Kg	✳	03/21/24 12:11	03/22/24 18:38	1
1,3-Dichlorobenzene	<0.24		0.24	0.022	mg/Kg	✳	03/21/24 12:11	03/22/24 18:38	1
1,4-Dichlorobenzene	<0.24		0.24	0.023	mg/Kg	✳	03/21/24 12:11	03/22/24 18:38	1

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Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Client Sample ID: R-3(0-3.5)-031324

Lab Sample ID: 500-247499-1

Date Collected: 03/13/24 15:05

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 67.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	<0.24		0.24	0.034	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
2,4,5-Trichlorophenol	<0.47		0.47	0.018	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
2,4,6-Trichlorophenol	<0.47		0.47	0.016	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
2,4-Dichlorophenol	<0.47		0.47	0.017	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
2,4-Dimethylphenol	<0.47		0.47	0.11	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
2,4-Dinitrophenol	<0.96		0.96	0.28	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
2,4-Dinitrotoluene	<0.24		0.24	0.027	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
2,6-Dinitrotoluene	<0.24		0.24	0.016	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
2-Chloronaphthalene	<0.24		0.24	0.018	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
2-Chlorophenol	<0.24		0.24	0.015	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
2-Methylnaphthalene	<0.096		0.096	0.0096	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
2-Methylphenol	<0.24		0.24	0.025	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
2-Nitroaniline	<0.24		0.24	0.026	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
2-Nitrophenol	<0.47		0.47	0.032	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
3 & 4 Methylphenol	<0.24		0.24	0.035	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
3,3'-Dichlorobenzidine	<0.24		0.24	0.039	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
3-Nitroaniline	<0.47		0.47	0.022	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
4,6-Dinitro-2-methylphenol	<0.96		0.96	0.27	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
4-Bromophenyl phenyl ether	<0.24		0.24	0.033	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
4-Chloro-3-methylphenol	<0.47		0.47	0.018	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
4-Chloroaniline	<0.96		0.96	0.50	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
4-Chlorophenyl phenyl ether	<0.24		0.24	0.062	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
4-Nitroaniline	<0.47		0.47	0.035	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
4-Nitrophenol	<0.96	*	0.96	0.18	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Acenaphthene	<0.047		0.047	0.0097	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Acenaphthylene	<0.047		0.047	0.0081	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Anthracene	<0.047		0.047	0.0097	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Benzo[a]anthracene	0.012	J	0.047	0.010	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Benzo[a]pyrene	<0.047		0.047	0.046	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Benzo[b]fluoranthene	<0.047		0.047	0.045	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Benzo[g,h,i]perylene	<0.047		0.047	0.010	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Benzo[k]fluoranthene	<0.047		0.047	0.018	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Bis(2-chloroethoxy)methane	<0.24		0.24	0.018	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Bis(2-chloroethyl)ether	<0.24		0.24	0.022	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Bis(2-ethylhexyl) phthalate	<0.24		0.24	0.19	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Butyl benzyl phthalate	<0.24		0.24	0.024	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Carbazole	<0.24		0.24	0.019	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Chrysene	<0.047		0.047	0.013	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Dibenz(a,h)anthracene	<0.047		0.047	0.047	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Dibenzofuran	<0.24		0.24	0.017	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Diethyl phthalate	<0.24		0.24	0.022	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Dimethyl phthalate	<0.24		0.24	0.010	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Di-n-butyl phthalate	<0.24		0.24	0.015	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Di-n-octyl phthalate	<0.47		0.47	0.33	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Fluoranthene	0.012	J	0.047	0.011	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Fluorene	<0.047		0.047	0.014	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Hexachlorobenzene	<0.096		0.096	0.0091	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1
Hexachlorobutadiene	<0.24		0.24	0.027	mg/Kg	✱	03/21/24 12:11	03/22/24 18:38	1

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Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Client Sample ID: R-3(0-3.5)-031324

Lab Sample ID: 500-247499-1

Date Collected: 03/13/24 15:05

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 67.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	<0.96		0.96	0.50	mg/Kg	☼	03/21/24 12:11	03/22/24 18:38	1
Hexachloroethane	<0.24		0.24	0.024	mg/Kg	☼	03/21/24 12:11	03/22/24 18:38	1
Indeno[1,2,3-cd]pyrene	<0.047		0.047	0.046	mg/Kg	☼	03/21/24 12:11	03/22/24 18:38	1
Isophorone	<0.24		0.24	0.025	mg/Kg	☼	03/21/24 12:11	03/22/24 18:38	1
Naphthalene	<0.047		0.047	0.0086	mg/Kg	☼	03/21/24 12:11	03/22/24 18:38	1
Nitrobenzene	<0.047		0.047	0.015	mg/Kg	☼	03/21/24 12:11	03/22/24 18:38	1
N-Nitrosodi-n-propylamine	<0.096		0.096	0.0094	mg/Kg	☼	03/21/24 12:11	03/22/24 18:38	1
N-Nitrosodiphenylamine	<0.24		0.24	0.028	mg/Kg	☼	03/21/24 12:11	03/22/24 18:38	1
Pentachlorophenol	<0.96		0.96	0.12	mg/Kg	☼	03/21/24 12:11	03/22/24 18:38	1
Phenanthrene	<0.047		0.047	0.010	mg/Kg	☼	03/21/24 12:11	03/22/24 18:38	1
Phenol	<0.24		0.24	0.021	mg/Kg	☼	03/21/24 12:11	03/22/24 18:38	1
Pyrene	<0.047		0.047	0.013	mg/Kg	☼	03/21/24 12:11	03/22/24 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	79		31 - 143	03/21/24 12:11	03/22/24 18:38	1
2-Fluorobiphenyl (Surr)	77		43 - 145	03/21/24 12:11	03/22/24 18:38	1
2-Fluorophenol (Surr)	74		31 - 166	03/21/24 12:11	03/22/24 18:38	1
Nitrobenzene-d5 (Surr)	70		37 - 147	03/21/24 12:11	03/22/24 18:38	1
Phenol-d5 (Surr)	70		30 - 153	03/21/24 12:11	03/22/24 18:38	1
Terphenyl-d14 (Surr)	81		42 - 157	03/21/24 12:11	03/22/24 18:38	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0025		0.0025	0.0013	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
4,4'-DDE	<0.0025		0.0025	0.0013	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
4,4'-DDT	<0.0025		0.0025	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
Aldrin	<0.0025		0.0025	0.0017	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
alpha-BHC	<0.0025		0.0025	0.0014	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
beta-BHC	<0.0025		0.0025	0.0020	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
Chlordane (technical)	<0.0099		0.0099	0.0047	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
cis-Chlordane	<0.0025		0.0025	0.0013	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
delta-BHC	<0.0025		0.0025	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
Dieldrin	<0.0025		0.0025	0.0013	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
Endosulfan I	<0.0025		0.0025	0.0013	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
Endosulfan II	<0.0025		0.0025	0.0014	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
Endosulfan sulfate	<0.0025		0.0025	0.0014	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
Endrin	<0.0025		0.0025	0.0013	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
Endrin aldehyde	<0.0025		0.0025	0.0014	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
Endrin ketone	<0.0025		0.0025	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
gamma-BHC (Lindane)	<0.0025		0.0025	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
Heptachlor	<0.0025		0.0025	0.0013	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
Heptachlor epoxide	<0.0025		0.0025	0.0013	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
Methoxychlor	<0.012		0.012	0.0016	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
Toxaphene	<0.025		0.025	0.0099	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1
trans-Chlordane	<0.0025		0.0025	0.0014	mg/Kg	☼	03/19/24 07:28	03/19/24 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	130		33 - 148	03/19/24 07:28	03/19/24 15:35	1
Tetrachloro-m-xylene (Surr)	112		30 - 121	03/19/24 07:28	03/19/24 15:35	1

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Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Client Sample ID: R-3(0-3.5)-031324

Lab Sample ID: 500-247499-1

Date Collected: 03/13/24 15:05

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 67.4

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.025		0.025	0.0096	mg/Kg	✱	03/19/24 07:28	03/19/24 15:34	1
PCB-1221	<0.025		0.025	0.0096	mg/Kg	✱	03/19/24 07:28	03/19/24 15:34	1
PCB-1232	<0.025		0.025	0.0067	mg/Kg	✱	03/19/24 07:28	03/19/24 15:34	1
PCB-1242	<0.025		0.025	0.0096	mg/Kg	✱	03/19/24 07:28	03/19/24 15:34	1
PCB-1248	<0.025		0.025	0.012	mg/Kg	✱	03/19/24 07:28	03/19/24 15:34	1
PCB-1254	<0.025		0.025	0.0083	mg/Kg	✱	03/19/24 07:28	03/19/24 15:34	1
PCB-1260	<0.025		0.025	0.0093	mg/Kg	✱	03/19/24 07:28	03/19/24 15:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	67		37 - 121				03/19/24 07:28	03/19/24 15:34	1
Tetrachloro-m-xylene (Surr)	82		49 - 129				03/19/24 07:28	03/19/24 15:34	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.48		0.48	0.12	mg/Kg	✱	03/21/24 13:51	03/25/24 11:41	10
Silvex (2,4,5-TP)	<0.48		0.48	0.082	mg/Kg	✱	03/21/24 13:51	03/25/24 11:41	10
2,4,5-T	<0.48		0.48	0.11	mg/Kg	✱	03/21/24 13:51	03/25/24 11:41	10
2,4-DB	<0.48		0.48	0.12	mg/Kg	✱	03/21/24 13:51	03/25/24 11:41	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	59		25 - 120				03/21/24 13:51	03/25/24 11:41	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5800		15	6.0	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Antimony	<1.5		1.5	0.29	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Arsenic	2.0		0.73	0.25	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Barium	25		0.73	0.084	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Beryllium	0.31		0.29	0.069	mg/Kg	✱	03/19/24 09:55	03/25/24 12:34	1
Cadmium	0.29	B	0.15	0.026	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Calcium	33000		15	2.5	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Chromium	10		0.73	0.36	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Cobalt	4.8		0.37	0.096	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Copper	14		0.73	0.21	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Iron	8600		15	7.6	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Lead	11		0.37	0.17	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Magnesium	19000		7.3	3.6	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Manganese	210		0.73	0.11	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Nickel	13		0.73	0.21	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Potassium	820		37	13	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Selenium	0.48	J	0.73	0.43	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Silver	0.42		0.37	0.095	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Sodium	990		73	11	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Thallium	<0.73		0.73	0.37	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Vanadium	17		0.37	0.087	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	1
Zinc	40		1.5	0.64	mg/Kg	✱	03/19/24 09:55	03/22/24 17:46	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		03/22/24 08:04	03/26/24 02:43	1

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Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Client Sample ID: R-3(0-3.5)-031324

Lab Sample ID: 500-247499-1

Date Collected: 03/13/24 15:05

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 67.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.21	J B	0.50	0.050	mg/L		03/22/24 08:04	03/26/24 20:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/22/24 08:04	03/26/24 20:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/22/24 08:04	03/26/24 02:43	1
Chromium	<0.025		0.025	0.010	mg/L		03/22/24 08:04	03/26/24 02:43	1
Cobalt	<0.025		0.025	0.010	mg/L		03/22/24 08:04	03/26/24 20:19	1
Copper	<0.025		0.025	0.010	mg/L		03/22/24 08:04	03/26/24 02:43	1
Iron	1.3		0.40	0.20	mg/L		03/22/24 08:04	03/26/24 20:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/22/24 08:04	03/26/24 20:19	1
Manganese	0.69		0.025	0.010	mg/L		04/02/24 07:58	04/02/24 20:52	1
Nickel	0.012	J	0.025	0.010	mg/L		03/22/24 08:04	03/26/24 20:19	1
Selenium	<0.050		0.050	0.020	mg/L		03/22/24 08:04	03/26/24 02:43	1
Silver	<0.025		0.025	0.010	mg/L		03/22/24 08:04	03/26/24 20:19	1
Zinc	0.039	J	0.50	0.020	mg/L		03/22/24 08:04	03/26/24 02:43	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		03/22/24 16:05	03/27/24 01:36	1
Barium	0.10	J	0.50	0.050	mg/L		03/22/24 16:05	03/27/24 01:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/22/24 16:05	03/27/24 01:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/22/24 16:05	03/27/24 01:36	1
Chromium	0.036		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:36	1
Cobalt	<0.025		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:36	1
Copper	0.031		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:36	1
Iron	26		0.40	0.20	mg/L		03/22/24 16:05	03/27/24 01:36	1
Lead	0.023	^5+	0.0075	0.0075	mg/L		03/22/24 16:05	03/27/24 01:36	1
Manganese	0.094		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:36	1
Nickel	0.031		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:36	1
Selenium	<0.050		0.050	0.020	mg/L		03/22/24 16:05	03/27/24 01:36	1
Silver	<0.025		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:36	1
Zinc	0.12	J ^1+	0.50	0.020	mg/L		03/22/24 16:05	03/27/24 01:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/26/24 10:45	03/27/24 11:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/28/24 11:25	03/29/24 12:06	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.023		0.023	0.012	mg/Kg	☆	03/25/24 17:05	03/26/24 09:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			03/20/24 12:28	1

Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines
 River

Job ID: 500-247499-1

Client Sample ID: R-3(0-3.5)-031324D

Lab Sample ID: 500-247499-2

Date Collected: 03/13/24 15:05

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 54.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.033		0.033	0.015	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Benzene	<0.0033		0.0033	0.00085	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Bromodichloromethane	<0.0033		0.0033	0.00068	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Bromoform	<0.0033		0.0033	0.00098	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Bromomethane	<0.0084		0.0084	0.0032	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Carbon disulfide	<0.0084		0.0084	0.0017	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Carbon tetrachloride	<0.0033		0.0033	0.00097	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Chlorobenzene	<0.0033		0.0033	0.0012	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Chloroethane	<0.0084		0.0084	0.0025	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Chloroform	<0.0033		0.0033	0.0012	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Chloromethane	<0.0084		0.0084	0.0034	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
cis-1,2-Dichloroethene	<0.0033		0.0033	0.00094	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
cis-1,3-Dichloropropene	<0.0033		0.0033	0.0010	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Dibromochloromethane	<0.0033		0.0033	0.0011	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
1,1-Dichloroethane	<0.0033		0.0033	0.0011	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
1,2-Dichloroethane	<0.0084		0.0084	0.0026	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
1,1-Dichloroethene	<0.0033		0.0033	0.0012	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
1,2-Dichloropropane	<0.0033		0.0033	0.00087	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
1,3-Dichloropropene, Total	<0.0033		0.0033	0.0012	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Ethylbenzene	<0.0033		0.0033	0.0016	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
2-Hexanone	<0.0084		0.0084	0.0026	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Methylene Chloride	<0.0084		0.0084	0.0033	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Methyl Ethyl Ketone	<0.0084		0.0084	0.0037	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
methyl isobutyl ketone	<0.0084		0.0084	0.0025	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Methyl tert-butyl ether	<0.0033		0.0033	0.00098	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Styrene	<0.0033		0.0033	0.0010	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
1,1,2,2-Tetrachloroethane	<0.0033		0.0033	0.0011	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Tetrachloroethene	<0.0033		0.0033	0.0011	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Toluene	<0.0033		0.0033	0.00085	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
trans-1,2-Dichloroethene	<0.0033		0.0033	0.0015	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
trans-1,3-Dichloropropene	<0.0033		0.0033	0.0012	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
1,1,1-Trichloroethane	<0.0033		0.0033	0.0011	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
1,1,2-Trichloroethane	<0.0033		0.0033	0.0014	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Trichloroethene	<0.0033		0.0033	0.0011	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Vinyl chloride	<0.0033	*+	0.0033	0.0015	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1
Xylenes, Total	<0.0067		0.0067	0.0011	mg/Kg	✳	03/14/24 17:04	03/18/24 12:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		75 - 131	03/14/24 17:04	03/18/24 12:56	1
Dibromofluoromethane (Surr)	113		75 - 126	03/14/24 17:04	03/18/24 12:56	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	03/14/24 17:04	03/18/24 12:56	1
Toluene-d8 (Surr)	106		75 - 124	03/14/24 17:04	03/18/24 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.30		0.30	0.043	mg/Kg	✳	03/21/24 12:11	03/22/24 18:13	1
1,2-Dichlorobenzene	<0.30		0.30	0.025	mg/Kg	✳	03/21/24 12:11	03/22/24 18:13	1
1,3-Dichlorobenzene	<0.30		0.30	0.027	mg/Kg	✳	03/21/24 12:11	03/22/24 18:13	1
1,4-Dichlorobenzene	<0.30		0.30	0.029	mg/Kg	✳	03/21/24 12:11	03/22/24 18:13	1

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Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Client Sample ID: R-3(0-3.5)-031324D

Lab Sample ID: 500-247499-2

Date Collected: 03/13/24 15:05

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 54.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	<0.30		0.30	0.043	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
2,4,5-Trichlorophenol	<0.60		0.60	0.023	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
2,4,6-Trichlorophenol	<0.60		0.60	0.021	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
2,4-Dichlorophenol	<0.60		0.60	0.021	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
2,4-Dimethylphenol	<0.60		0.60	0.14	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
2,4-Dinitrophenol	<1.2		1.2	0.35	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
2,4-Dinitrotoluene	<0.30		0.30	0.035	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
2,6-Dinitrotoluene	<0.30		0.30	0.021	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
2-Chloronaphthalene	<0.30		0.30	0.023	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
2-Chlorophenol	<0.30		0.30	0.020	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
2-Methylnaphthalene	<0.12		0.12	0.012	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
2-Methylphenol	<0.30		0.30	0.032	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
2-Nitroaniline	<0.30		0.30	0.033	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
2-Nitrophenol	<0.60		0.60	0.041	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
3 & 4 Methylphenol	<0.30		0.30	0.044	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
3,3'-Dichlorobenzidine	<0.30		0.30	0.049	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
3-Nitroaniline	<0.60		0.60	0.028	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
4,6-Dinitro-2-methylphenol	<1.2		1.2	0.34	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
4-Bromophenyl phenyl ether	<0.30		0.30	0.041	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
4-Chloro-3-methylphenol	<0.60		0.60	0.024	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
4-Chloroaniline	<1.2		1.2	0.64	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
4-Chlorophenyl phenyl ether	<0.30		0.30	0.079	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
4-Nitroaniline	<0.60		0.60	0.045	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
4-Nitrophenol	<1.2	*	1.2	0.22	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Acenaphthene	<0.060		0.060	0.012	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Acenaphthylene	<0.060		0.060	0.010	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Anthracene	0.015	J	0.060	0.012	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Benzo[a]anthracene	0.038	J	0.060	0.013	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Benzo[a]pyrene	<0.060		0.060	0.058	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Benzo[b]fluoranthene	<0.060		0.060	0.058	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Benzo[g,h,i]perylene	0.022	J	0.060	0.013	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Benzo[k]fluoranthene	<0.060		0.060	0.023	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Bis(2-chloroethoxy)methane	<0.30		0.30	0.023	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Bis(2-chloroethyl)ether	<0.30		0.30	0.028	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Bis(2-ethylhexyl) phthalate	<0.30		0.30	0.24	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Butyl benzyl phthalate	<0.30		0.30	0.030	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Carbazole	<0.30		0.30	0.024	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Chrysene	0.035	J	0.060	0.016	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Dibenz(a,h)anthracene	<0.060		0.060	0.060	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Dibenzofuran	<0.30		0.30	0.022	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Diethyl phthalate	<0.30		0.30	0.028	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Dimethyl phthalate	<0.30		0.30	0.013	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Di-n-butyl phthalate	<0.30		0.30	0.019	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Di-n-octyl phthalate	<0.60		0.60	0.42	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Fluoranthene	0.075		0.060	0.014	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Fluorene	<0.060		0.060	0.018	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Hexachlorobenzene	<0.12		0.12	0.012	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1
Hexachlorobutadiene	<0.30		0.30	0.034	mg/Kg	✱	03/21/24 12:11	03/22/24 18:13	1

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Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Client Sample ID: R-3(0-3.5)-031324D

Lab Sample ID: 500-247499-2

Date Collected: 03/13/24 15:05

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 54.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	<1.2		1.2	0.64	mg/Kg	☼	03/21/24 12:11	03/22/24 18:13	1
Hexachloroethane	<0.30		0.30	0.030	mg/Kg	☼	03/21/24 12:11	03/22/24 18:13	1
Indeno[1,2,3-cd]pyrene	<0.060		0.060	0.059	mg/Kg	☼	03/21/24 12:11	03/22/24 18:13	1
Isophorone	<0.30		0.30	0.031	mg/Kg	☼	03/21/24 12:11	03/22/24 18:13	1
Naphthalene	<0.060		0.060	0.011	mg/Kg	☼	03/21/24 12:11	03/22/24 18:13	1
Nitrobenzene	<0.060		0.060	0.019	mg/Kg	☼	03/21/24 12:11	03/22/24 18:13	1
N-Nitrosodi-n-propylamine	<0.12		0.12	0.012	mg/Kg	☼	03/21/24 12:11	03/22/24 18:13	1
N-Nitrosodiphenylamine	<0.30		0.30	0.036	mg/Kg	☼	03/21/24 12:11	03/22/24 18:13	1
Pentachlorophenol	<1.2		1.2	0.15	mg/Kg	☼	03/21/24 12:11	03/22/24 18:13	1
Phenanthrene	0.062		0.060	0.013	mg/Kg	☼	03/21/24 12:11	03/22/24 18:13	1
Phenol	<0.30		0.30	0.026	mg/Kg	☼	03/21/24 12:11	03/22/24 18:13	1
Pyrene	0.067		0.060	0.017	mg/Kg	☼	03/21/24 12:11	03/22/24 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		31 - 143	03/21/24 12:11	03/22/24 18:13	1
2-Fluorobiphenyl (Surr)	69		43 - 145	03/21/24 12:11	03/22/24 18:13	1
2-Fluorophenol (Surr)	64		31 - 166	03/21/24 12:11	03/22/24 18:13	1
Nitrobenzene-d5 (Surr)	59		37 - 147	03/21/24 12:11	03/22/24 18:13	1
Phenol-d5 (Surr)	66		30 - 153	03/21/24 12:11	03/22/24 18:13	1
Terphenyl-d14 (Surr)	77		42 - 157	03/21/24 12:11	03/22/24 18:13	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0031		0.0031	0.0016	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
4,4'-DDE	<0.0031		0.0031	0.0016	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
4,4'-DDT	<0.0031		0.0031	0.0014	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
Aldrin	<0.0031		0.0031	0.0021	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
alpha-BHC	<0.0031		0.0031	0.0017	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
beta-BHC	<0.0031		0.0031	0.0025	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
Chlordane (technical)	<0.012		0.012	0.0058	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
cis-Chlordane	<0.0031		0.0031	0.0016	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
delta-BHC	<0.0031		0.0031	0.0015	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
Dieldrin	<0.0031		0.0031	0.0016	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
Endosulfan I	<0.0031		0.0031	0.0016	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
Endosulfan II	<0.0031		0.0031	0.0017	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
Endosulfan sulfate	<0.0031		0.0031	0.0017	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
Endrin	<0.0031		0.0031	0.0016	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
Endrin aldehyde	<0.0031		0.0031	0.0017	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
Endrin ketone	<0.0031		0.0031	0.0015	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
gamma-BHC (Lindane)	<0.0031		0.0031	0.0015	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
Heptachlor	<0.0031		0.0031	0.0017	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
Heptachlor epoxide	<0.0031		0.0031	0.0016	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
Methoxychlor	<0.015		0.015	0.0020	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
Toxaphene	<0.030		0.030	0.012	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1
trans-Chlordane	<0.0031		0.0031	0.0018	mg/Kg	☼	03/19/24 07:28	03/19/24 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	73		33 - 148	03/19/24 07:28	03/19/24 15:47	1
Tetrachloro-m-xylene (Surr)	63		30 - 121	03/19/24 07:28	03/19/24 15:47	1

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Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Client Sample ID: R-3(0-3.5)-031324D

Lab Sample ID: 500-247499-2

Date Collected: 03/13/24 15:05

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 54.3

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.030		0.030	0.012	mg/Kg	✱	03/19/24 07:28	03/19/24 15:49	1
PCB-1221	<0.030		0.030	0.012	mg/Kg	✱	03/19/24 07:28	03/19/24 15:49	1
PCB-1232	<0.030		0.030	0.0082	mg/Kg	✱	03/19/24 07:28	03/19/24 15:49	1
PCB-1242	<0.030		0.030	0.012	mg/Kg	✱	03/19/24 07:28	03/19/24 15:49	1
PCB-1248	0.020	J	0.030	0.014	mg/Kg	✱	03/19/24 07:28	03/19/24 15:49	1
PCB-1254	<0.030		0.030	0.010	mg/Kg	✱	03/19/24 07:28	03/19/24 15:49	1
PCB-1260	<0.030		0.030	0.011	mg/Kg	✱	03/19/24 07:28	03/19/24 15:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	67		37 - 121				03/19/24 07:28	03/19/24 15:49	1
Tetrachloro-m-xylene (Surr)	82		49 - 129				03/19/24 07:28	03/19/24 15:49	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.61		0.61	0.16	mg/Kg	✱	03/21/24 14:06	03/25/24 11:58	10
Silvex (2,4,5-TP)	<0.61		0.61	0.10	mg/Kg	✱	03/21/24 14:06	03/25/24 11:58	10
2,4,5-T	<0.61		0.61	0.14	mg/Kg	✱	03/21/24 14:06	03/25/24 11:58	10
2,4-DB	<0.61		0.61	0.16	mg/Kg	✱	03/21/24 14:06	03/25/24 11:58	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	55		25 - 120				03/21/24 14:06	03/25/24 11:58	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7400		18	7.4	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Antimony	<1.8		1.8	0.35	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Arsenic	2.8		0.90	0.31	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Barium	47		0.90	0.10	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Beryllium	<1.8		1.8	0.42	mg/Kg	✱	03/19/24 09:55	03/25/24 12:38	5
Cadmium	0.73	B	0.18	0.032	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Calcium	63000		90	15	mg/Kg	✱	03/19/24 09:55	03/25/24 12:38	5
Chromium	13		0.90	0.45	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Cobalt	6.6		0.45	0.12	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Copper	25		0.90	0.25	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Iron	11000		18	9.4	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Lead	66		0.45	0.21	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Magnesium	25000		9.0	4.5	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Manganese	290		0.90	0.13	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Nickel	17		0.90	0.26	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Potassium	1100		45	16	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Selenium	1.2		0.90	0.53	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Silver	0.78	J	2.3	0.58	mg/Kg	✱	03/19/24 09:55	03/25/24 12:38	5
Sodium	1700		90	13	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Thallium	<0.90		0.90	0.45	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Vanadium	17		0.45	0.11	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	1
Zinc	87		1.8	0.79	mg/Kg	✱	03/19/24 09:55	03/22/24 17:49	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		03/22/24 08:06	03/26/24 16:54	1

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Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Client Sample ID: R-3(0-3.5)-031324D

Lab Sample ID: 500-247499-2

Date Collected: 03/13/24 15:05

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 54.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.69		0.50	0.050	mg/L		03/22/24 08:06	03/27/24 15:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/22/24 08:06	03/27/24 15:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/22/24 08:06	03/26/24 16:54	1
Chromium	<0.025		0.025	0.010	mg/L		03/22/24 08:06	03/26/24 16:54	1
Cobalt	0.044		0.025	0.010	mg/L		03/22/24 08:06	03/26/24 16:54	1
Copper	<0.025		0.025	0.010	mg/L		03/22/24 08:06	03/26/24 16:54	1
Iron	<0.40		0.40	0.20	mg/L		03/22/24 08:06	03/27/24 15:52	1
Lead	0.011		0.0075	0.0075	mg/L		03/22/24 08:06	03/27/24 15:52	1
Manganese	7.7		0.025	0.010	mg/L		03/22/24 08:06	03/27/24 15:52	1
Nickel	0.034		0.025	0.010	mg/L		03/22/24 08:06	03/26/24 16:54	1
Selenium	<0.050		0.050	0.020	mg/L		03/22/24 08:06	03/26/24 16:54	1
Silver	<0.025		0.025	0.010	mg/L		03/22/24 08:06	03/26/24 16:54	1
Zinc	0.087 J		0.50	0.020	mg/L		03/22/24 08:06	03/26/24 16:54	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		03/22/24 16:05	03/27/24 01:53	1
Barium	0.097 J		0.50	0.050	mg/L		03/22/24 16:05	03/27/24 01:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/22/24 16:05	03/27/24 01:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/22/24 16:05	03/27/24 01:53	1
Chromium	0.030		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:53	1
Cobalt	<0.025		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:53	1
Copper	0.026		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:53	1
Iron	22		0.40	0.20	mg/L		03/22/24 16:05	03/27/24 01:53	1
Lead	0.026 ^5+		0.0075	0.0075	mg/L		03/22/24 16:05	03/27/24 01:53	1
Manganese	0.081		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:53	1
Nickel	0.021 J		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:53	1
Selenium	<0.050		0.050	0.020	mg/L		03/22/24 16:05	03/27/24 01:53	1
Silver	<0.025		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:53	1
Zinc	0.10 J ^1+		0.50	0.020	mg/L		03/22/24 16:05	03/27/24 01:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/28/24 11:25	03/29/24 08:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/28/24 11:25	03/29/24 12:12	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.029		0.029	0.016	mg/Kg	☆	03/25/24 17:05	03/26/24 09:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			03/20/24 12:30	1

Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines
 River

Job ID: 500-247499-1

Client Sample ID: R-1(0-3.5)-031324

Lab Sample ID: 500-247499-3

Date Collected: 03/13/24 15:10

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 76.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.026		0.019	0.0083	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Carbon disulfide	<0.0048		0.0048	0.0010	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Chlorobenzene	<0.0019		0.0019	0.00071	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Chloroform	<0.0019		0.0019	0.00066	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
1,2-Dichloropropane	<0.0019		0.0019	0.00049	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00067	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Ethylbenzene	<0.0019		0.0019	0.00092	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Methyl Ethyl Ketone	0.0048		0.0048	0.0021	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00056	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00061	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Tetrachloroethene	<0.0019		0.0019	0.00065	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Toluene	<0.0019		0.0019	0.00048	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00085	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00067	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00064	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00082	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Vinyl chloride	<0.0019	*+	0.0019	0.00085	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1
Xylenes, Total	<0.0038		0.0038	0.00061	mg/Kg	✳	03/14/24 17:04	03/18/24 13:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		75 - 131	03/14/24 17:04	03/18/24 13:20	1
Dibromofluoromethane (Surr)	110		75 - 126	03/14/24 17:04	03/18/24 13:20	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	03/14/24 17:04	03/18/24 13:20	1
Toluene-d8 (Surr)	101		75 - 124	03/14/24 17:04	03/18/24 13:20	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	✳	03/21/24 12:11	03/22/24 17:24	1
1,2-Dichlorobenzene	<0.21		0.21	0.017	mg/Kg	✳	03/21/24 12:11	03/22/24 17:24	1
1,3-Dichlorobenzene	<0.21		0.21	0.019	mg/Kg	✳	03/21/24 12:11	03/22/24 17:24	1
1,4-Dichlorobenzene	<0.21		0.21	0.020	mg/Kg	✳	03/21/24 12:11	03/22/24 17:24	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Client Sample ID: R-1(0-3.5)-031324

Lab Sample ID: 500-247499-3

Date Collected: 03/13/24 15:10

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 76.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.030	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
2,4,5-Trichlorophenol	<0.42		0.42	0.016	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
2,4,6-Trichlorophenol	<0.42		0.42	0.014	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
2,4-Dichlorophenol	<0.42		0.42	0.015	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
2,4-Dimethylphenol	<0.42		0.42	0.094	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
2,4-Dinitrophenol	<0.85		0.85	0.24	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
2,4-Dinitrotoluene	<0.21		0.21	0.024	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
2,6-Dinitrotoluene	<0.21		0.21	0.014	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
2-Chloronaphthalene	<0.21		0.21	0.016	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
2-Chlorophenol	<0.21		0.21	0.014	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
2-Methylnaphthalene	<0.085		0.085	0.0085	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
2-Methylphenol	<0.21		0.21	0.022	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
2-Nitroaniline	<0.21		0.21	0.023	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
2-Nitrophenol	<0.42		0.42	0.029	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
3 & 4 Methylphenol	<0.21		0.21	0.031	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.034	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
3-Nitroaniline	<0.42		0.42	0.019	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
4,6-Dinitro-2-methylphenol	<0.85		0.85	0.24	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.029	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
4-Chloro-3-methylphenol	<0.42		0.42	0.016	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
4-Chloroaniline	<0.85		0.85	0.44	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
4-Nitroaniline	<0.42		0.42	0.031	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
4-Nitrophenol	<0.85	*	0.85	0.16	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Acenaphthene	<0.042		0.042	0.0086	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Acenaphthylene	<0.042		0.042	0.0072	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Anthracene	0.011	J	0.042	0.0086	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Benzo[a]anthracene	0.046		0.042	0.0090	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Benzo[a]pyrene	0.058		0.042	0.041	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Benzo[b]fluoranthene	0.055		0.042	0.040	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Benzo[g,h,i]perylene	0.028	J	0.042	0.0091	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Benzo[k]fluoranthene	0.017	J	0.042	0.016	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.016	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.019	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.17	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Butyl benzyl phthalate	<0.21		0.21	0.021	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Carbazole	<0.21		0.21	0.017	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Chrysene	0.039	J	0.042	0.011	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Dibenz(a,h)anthracene	<0.042		0.042	0.042	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Dibenzofuran	<0.21		0.21	0.015	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Diethyl phthalate	<0.21		0.21	0.019	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Dimethyl phthalate	<0.21		0.21	0.0092	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Di-n-butyl phthalate	<0.21		0.21	0.013	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Di-n-octyl phthalate	<0.42		0.42	0.30	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Fluoranthene	0.074		0.042	0.0098	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Fluorene	<0.042		0.042	0.012	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Hexachlorobenzene	<0.085		0.085	0.0081	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1
Hexachlorobutadiene	<0.21		0.21	0.024	mg/Kg	✱	03/21/24 12:11	03/22/24 17:24	1

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Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Client Sample ID: R-1(0-3.5)-031324

Lab Sample ID: 500-247499-3

Date Collected: 03/13/24 15:10

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 76.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	<0.85		0.85	0.45	mg/Kg	☼	03/21/24 12:11	03/22/24 17:24	1
Hexachloroethane	<0.21		0.21	0.021	mg/Kg	☼	03/21/24 12:11	03/22/24 17:24	1
Indeno[1,2,3-cd]pyrene	0.050		0.042	0.041	mg/Kg	☼	03/21/24 12:11	03/22/24 17:24	1
Isophorone	<0.21		0.21	0.022	mg/Kg	☼	03/21/24 12:11	03/22/24 17:24	1
Naphthalene	<0.042		0.042	0.0076	mg/Kg	☼	03/21/24 12:11	03/22/24 17:24	1
Nitrobenzene	<0.042		0.042	0.013	mg/Kg	☼	03/21/24 12:11	03/22/24 17:24	1
N-Nitrosodi-n-propylamine	<0.085		0.085	0.0083	mg/Kg	☼	03/21/24 12:11	03/22/24 17:24	1
N-Nitrosodiphenylamine	<0.21		0.21	0.025	mg/Kg	☼	03/21/24 12:11	03/22/24 17:24	1
Pentachlorophenol	<0.85		0.85	0.11	mg/Kg	☼	03/21/24 12:11	03/22/24 17:24	1
Phenanthrene	0.025 J		0.042	0.0092	mg/Kg	☼	03/21/24 12:11	03/22/24 17:24	1
Phenol	<0.21		0.21	0.018	mg/Kg	☼	03/21/24 12:11	03/22/24 17:24	1
Pyrene	0.079		0.042	0.012	mg/Kg	☼	03/21/24 12:11	03/22/24 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	80		31 - 143	03/21/24 12:11	03/22/24 17:24	1
2-Fluorobiphenyl (Surr)	65		43 - 145	03/21/24 12:11	03/22/24 17:24	1
2-Fluorophenol (Surr)	61		31 - 166	03/21/24 12:11	03/22/24 17:24	1
Nitrobenzene-d5 (Surr)	56		37 - 147	03/21/24 12:11	03/22/24 17:24	1
Phenol-d5 (Surr)	60		30 - 153	03/21/24 12:11	03/22/24 17:24	1
Terphenyl-d14 (Surr)	83		42 - 157	03/21/24 12:11	03/22/24 17:24	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0022		0.0022	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
4,4'-DDE	<0.0022		0.0022	0.0011	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
4,4'-DDT	<0.0022		0.0022	0.0010	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
Aldrin	<0.0022		0.0022	0.0015	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
alpha-BHC	<0.0022		0.0022	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
beta-BHC	0.0044		0.0022	0.0017	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
Chlordane (technical)	<0.0085		0.0085	0.0041	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
cis-Chlordane	<0.0022		0.0022	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
delta-BHC	<0.0022		0.0022	0.0010	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
Dieldrin	<0.0022		0.0022	0.0011	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
Endosulfan I	<0.0022		0.0022	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
Endosulfan II	<0.0022		0.0022	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
Endosulfan sulfate	<0.0022		0.0022	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
Endrin	<0.0022		0.0022	0.0011	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
Endrin aldehyde	<0.0022		0.0022	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
Endrin ketone	<0.0022		0.0022	0.0010	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
gamma-BHC (Lindane)	<0.0022		0.0022	0.0011	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
Heptachlor	<0.0022		0.0022	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
Heptachlor epoxide	<0.0022		0.0022	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
Methoxychlor	<0.011		0.011	0.0014	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
Toxaphene	<0.021		0.021	0.0086	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1
trans-Chlordane	<0.0022		0.0022	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	93		33 - 148	03/19/24 07:28	03/19/24 15:59	1
Tetrachloro-m-xylene (Surr)	77		30 - 121	03/19/24 07:28	03/19/24 15:59	1

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Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Client Sample ID: R-1(0-3.5)-031324

Lab Sample ID: 500-247499-3

Date Collected: 03/13/24 15:10

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 76.7

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.021		0.021	0.0084	mg/Kg	✱	03/19/24 07:28	03/19/24 16:03	1
PCB-1221	<0.021		0.021	0.0084	mg/Kg	✱	03/19/24 07:28	03/19/24 16:03	1
PCB-1232	<0.021		0.021	0.0058	mg/Kg	✱	03/19/24 07:28	03/19/24 16:03	1
PCB-1242	<0.021		0.021	0.0083	mg/Kg	✱	03/19/24 07:28	03/19/24 16:03	1
PCB-1248	<0.021		0.021	0.010	mg/Kg	✱	03/19/24 07:28	03/19/24 16:03	1
PCB-1254	<0.021		0.021	0.0072	mg/Kg	✱	03/19/24 07:28	03/19/24 16:03	1
PCB-1260	<0.021		0.021	0.0080	mg/Kg	✱	03/19/24 07:28	03/19/24 16:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	77		37 - 121				03/19/24 07:28	03/19/24 16:03	1
Tetrachloro-m-xylene (Surr)	91		49 - 129				03/19/24 07:28	03/19/24 16:03	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.42		0.42	0.11	mg/Kg	✱	03/21/24 14:22	03/25/24 12:16	10
Silvex (2,4,5-TP)	<0.42		0.42	0.072	mg/Kg	✱	03/21/24 14:22	03/25/24 12:16	10
2,4,5-T	<0.42		0.42	0.10	mg/Kg	✱	03/21/24 14:22	03/25/24 12:16	10
2,4-DB	<0.42		0.42	0.11	mg/Kg	✱	03/21/24 14:22	03/25/24 12:16	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	59		25 - 120				03/21/24 14:22	03/25/24 12:16	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9700		12	5.0	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Antimony	<1.2		1.2	0.24	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Arsenic	2.9		0.62	0.21	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Barium	41		0.62	0.070	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Beryllium	0.47		0.25	0.058	mg/Kg	✱	03/19/24 09:55	03/25/24 12:41	1
Cadmium	0.28	B	0.12	0.022	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Calcium	32000		12	2.1	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Chromium	12		0.62	0.30	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Cobalt	9.2		0.31	0.081	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Copper	17		0.62	0.17	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Iron	12000		12	6.4	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Lead	14		0.31	0.14	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Magnesium	16000		6.2	3.1	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Manganese	190		0.62	0.089	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Nickel	23		0.62	0.18	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Potassium	1000		31	11	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Selenium	<0.62		0.62	0.36	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Silver	0.38		0.31	0.079	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Sodium	200		62	9.1	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Thallium	<0.62		0.62	0.31	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Vanadium	22		0.31	0.073	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	1
Zinc	63		1.2	0.54	mg/Kg	✱	03/19/24 09:55	03/22/24 17:53	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		03/22/24 08:06	03/26/24 17:20	1

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Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Client Sample ID: R-1(0-3.5)-031324

Lab Sample ID: 500-247499-3

Date Collected: 03/13/24 15:10

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 76.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.45	J	0.50	0.050	mg/L		03/22/24 08:06	03/27/24 16:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/22/24 08:06	03/27/24 16:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/22/24 08:06	03/26/24 17:20	1
Chromium	<0.025		0.025	0.010	mg/L		03/22/24 08:06	03/26/24 17:20	1
Cobalt	0.039		0.025	0.010	mg/L		03/22/24 08:06	03/26/24 17:20	1
Copper	<0.025		0.025	0.010	mg/L		03/22/24 08:06	03/26/24 17:20	1
Iron	<0.40		0.40	0.20	mg/L		03/22/24 08:06	03/27/24 16:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/22/24 08:06	03/27/24 16:19	1
Manganese	1.4		0.025	0.010	mg/L		03/22/24 08:06	03/27/24 16:19	1
Nickel	0.044		0.025	0.010	mg/L		03/22/24 08:06	03/26/24 17:20	1
Selenium	<0.050		0.050	0.020	mg/L		03/22/24 08:06	03/26/24 17:20	1
Silver	<0.025		0.025	0.010	mg/L		03/22/24 08:06	03/26/24 17:20	1
Zinc	0.080	J	0.50	0.020	mg/L		03/22/24 08:06	03/26/24 17:20	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		03/22/24 16:05	03/27/24 01:57	1
Barium	0.24	J	0.50	0.050	mg/L		03/22/24 16:05	03/27/24 01:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/22/24 16:05	03/27/24 01:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/22/24 16:05	03/27/24 01:57	1
Chromium	0.053		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:57	1
Cobalt	0.021	J	0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:57	1
Copper	0.054		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:57	1
Iron	48		0.40	0.20	mg/L		03/22/24 16:05	03/27/24 01:57	1
Lead	0.055	^5+	0.0075	0.0075	mg/L		03/22/24 16:05	03/27/24 01:57	1
Manganese	0.28		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:57	1
Nickel	0.053		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:57	1
Selenium	<0.050		0.050	0.020	mg/L		03/22/24 16:05	03/27/24 01:57	1
Silver	<0.025		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 01:57	1
Zinc	0.18	J ^1+	0.50	0.020	mg/L		03/22/24 16:05	03/27/24 01:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/28/24 11:25	03/29/24 08:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/28/24 11:25	03/29/24 12:14	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.020	0.011	mg/Kg	☆	03/25/24 17:05	03/26/24 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.2	0.2	SU			03/20/24 12:33	1

Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines
 River

Job ID: 500-247499-1

Client Sample ID: R-4(0-3.5)-031324

Lab Sample ID: 500-247499-4

Date Collected: 03/13/24 15:55

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 77.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.023		0.023	0.010	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Benzene	<0.0023		0.0023	0.00059	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Bromodichloromethane	<0.0023		0.0023	0.00047	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Bromoform	<0.0023		0.0023	0.00068	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Bromomethane	<0.0058		0.0058	0.0022	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Carbon disulfide	<0.0058		0.0058	0.0012	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Carbon tetrachloride	<0.0023		0.0023	0.00067	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Chlorobenzene	<0.0023		0.0023	0.00085	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Chloroethane	<0.0058		0.0058	0.0017	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Chloroform	<0.0023		0.0023	0.00080	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Chloromethane	<0.0058		0.0058	0.0023	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
cis-1,2-Dichloroethene	<0.0023		0.0023	0.00065	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
cis-1,3-Dichloropropene	<0.0023		0.0023	0.00070	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Dibromochloromethane	<0.0023		0.0023	0.00076	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
1,1-Dichloroethane	<0.0023		0.0023	0.00079	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
1,2-Dichloroethane	<0.0058		0.0058	0.0018	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
1,1-Dichloroethene	<0.0023		0.0023	0.00080	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
1,2-Dichloropropane	<0.0023		0.0023	0.00060	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
1,3-Dichloropropene, Total	<0.0023		0.0023	0.00081	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Ethylbenzene	<0.0023		0.0023	0.0011	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
2-Hexanone	<0.0058		0.0058	0.0018	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Methylene Chloride	<0.0058		0.0058	0.0023	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Methyl Ethyl Ketone	<0.0058		0.0058	0.0026	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
methyl isobutyl ketone	<0.0058		0.0058	0.0017	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Methyl tert-butyl ether	<0.0023		0.0023	0.00068	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Styrene	<0.0023		0.0023	0.00070	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
1,1,2,2-Tetrachloroethane	<0.0023		0.0023	0.00074	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Tetrachloroethene	<0.0023		0.0023	0.00079	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Toluene	<0.0023		0.0023	0.00058	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
trans-1,2-Dichloroethene	<0.0023		0.0023	0.0010	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
trans-1,3-Dichloropropene	<0.0023		0.0023	0.00081	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
1,1,1-Trichloroethane	<0.0023		0.0023	0.00078	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
1,1,2-Trichloroethane	<0.0023		0.0023	0.00099	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Trichloroethene	<0.0023		0.0023	0.00078	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Vinyl chloride	<0.0023	+	0.0023	0.0010	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1
Xylenes, Total	<0.0046		0.0046	0.00074	mg/Kg	✳	03/14/24 17:04	03/18/24 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		75 - 131	03/14/24 17:04	03/18/24 13:44	1
Dibromofluoromethane (Surr)	109		75 - 126	03/14/24 17:04	03/18/24 13:44	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	03/14/24 17:04	03/18/24 13:44	1
Toluene-d8 (Surr)	103		75 - 124	03/14/24 17:04	03/18/24 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.030	mg/Kg	✳	03/21/24 12:11	03/22/24 19:02	1
1,2-Dichlorobenzene	<0.21		0.21	0.017	mg/Kg	✳	03/21/24 12:11	03/22/24 19:02	1
1,3-Dichlorobenzene	<0.21		0.21	0.019	mg/Kg	✳	03/21/24 12:11	03/22/24 19:02	1
1,4-Dichlorobenzene	<0.21		0.21	0.020	mg/Kg	✳	03/21/24 12:11	03/22/24 19:02	1

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Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines
 River

Job ID: 500-247499-1

Client Sample ID: R-4(0-3.5)-031324

Lab Sample ID: 500-247499-4

Date Collected: 03/13/24 15:55

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 77.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.030	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
2,4,5-Trichlorophenol	<0.41		0.41	0.016	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
2,4,6-Trichlorophenol	<0.41		0.41	0.014	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
2,4-Dichlorophenol	<0.41		0.41	0.015	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
2,4-Dimethylphenol	<0.41		0.41	0.093	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
2,4-Dinitrophenol	<0.84		0.84	0.24	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
2,4-Dinitrotoluene	<0.21		0.21	0.024	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
2,6-Dinitrotoluene	<0.21		0.21	0.014	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
2-Chloronaphthalene	<0.21		0.21	0.016	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
2-Chlorophenol	<0.21		0.21	0.013	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
2-Methylnaphthalene	<0.084		0.084	0.0083	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
2-Methylphenol	<0.21		0.21	0.022	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
2-Nitroaniline	<0.21		0.21	0.022	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
2-Nitrophenol	<0.41		0.41	0.028	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
3 & 4 Methylphenol	<0.21		0.21	0.030	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.034	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
3-Nitroaniline	<0.41		0.41	0.019	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
4,6-Dinitro-2-methylphenol	<0.84		0.84	0.23	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.028	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
4-Chloro-3-methylphenol	<0.41		0.41	0.016	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
4-Chloroaniline	<0.84		0.84	0.44	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.055	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
4-Nitroaniline	<0.41		0.41	0.031	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
4-Nitrophenol	<0.84	*	0.84	0.15	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Acenaphthene	0.0099	J	0.041	0.0085	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Acenaphthylene	<0.041		0.041	0.0071	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Anthracene	0.030	J	0.041	0.0085	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Benzo[a]anthracene	0.097		0.041	0.0088	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Benzo[a]pyrene	0.14		0.041	0.040	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Benzo[b]fluoranthene	0.17		0.041	0.040	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Benzo[g,h,i]perylene	0.10		0.041	0.0090	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Benzo[k]fluoranthene	0.055		0.041	0.016	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.016	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.019	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Bis(2-ethylhexyl) phthalate	0.16	J	0.21	0.16	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Butyl benzyl phthalate	<0.21		0.21	0.021	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Carbazole	<0.21		0.21	0.016	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Chrysene	0.11		0.041	0.011	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Dibenz(a,h)anthracene	<0.041		0.041	0.041	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Dibenzofuran	<0.21		0.21	0.015	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Diethyl phthalate	<0.21		0.21	0.019	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Dimethyl phthalate	<0.21		0.21	0.0090	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Di-n-butyl phthalate	<0.21		0.21	0.013	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Di-n-octyl phthalate	<0.41		0.41	0.29	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Fluoranthene	0.20		0.041	0.0097	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Fluorene	<0.041		0.041	0.012	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Hexachlorobenzene	<0.084		0.084	0.0080	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1
Hexachlorobutadiene	<0.21		0.21	0.023	mg/Kg	✱	03/21/24 12:11	03/22/24 19:02	1

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Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Client Sample ID: R-4(0-3.5)-031324

Lab Sample ID: 500-247499-4

Date Collected: 03/13/24 15:55

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 77.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	<0.84		0.84	0.44	mg/Kg	☼	03/21/24 12:11	03/22/24 19:02	1
Hexachloroethane	<0.21		0.21	0.021	mg/Kg	☼	03/21/24 12:11	03/22/24 19:02	1
Indeno[1,2,3-cd]pyrene	0.14		0.041	0.040	mg/Kg	☼	03/21/24 12:11	03/22/24 19:02	1
Isophorone	<0.21		0.21	0.021	mg/Kg	☼	03/21/24 12:11	03/22/24 19:02	1
Naphthalene	<0.041		0.041	0.0075	mg/Kg	☼	03/21/24 12:11	03/22/24 19:02	1
Nitrobenzene	<0.041		0.041	0.013	mg/Kg	☼	03/21/24 12:11	03/22/24 19:02	1
N-Nitrosodi-n-propylamine	<0.084		0.084	0.0082	mg/Kg	☼	03/21/24 12:11	03/22/24 19:02	1
N-Nitrosodiphenylamine	<0.21		0.21	0.025	mg/Kg	☼	03/21/24 12:11	03/22/24 19:02	1
Pentachlorophenol	<0.84		0.84	0.10	mg/Kg	☼	03/21/24 12:11	03/22/24 19:02	1
Phenanthrene	0.11		0.041	0.0090	mg/Kg	☼	03/21/24 12:11	03/22/24 19:02	1
Phenol	<0.21		0.21	0.018	mg/Kg	☼	03/21/24 12:11	03/22/24 19:02	1
Pyrene	0.19		0.041	0.011	mg/Kg	☼	03/21/24 12:11	03/22/24 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	67		31 - 143	03/21/24 12:11	03/22/24 19:02	1
2-Fluorobiphenyl (Surr)	58		43 - 145	03/21/24 12:11	03/22/24 19:02	1
2-Fluorophenol (Surr)	58		31 - 166	03/21/24 12:11	03/22/24 19:02	1
Nitrobenzene-d5 (Surr)	53		37 - 147	03/21/24 12:11	03/22/24 19:02	1
Phenol-d5 (Surr)	58		30 - 153	03/21/24 12:11	03/22/24 19:02	1
Terphenyl-d14 (Surr)	63		42 - 157	03/21/24 12:11	03/22/24 19:02	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0029		0.0021	0.0011	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
4,4'-DDE	<0.0021		0.0021	0.0011	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
4,4'-DDT	<0.0021		0.0021	0.0010	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
Aldrin	<0.0021		0.0021	0.0015	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
alpha-BHC	<0.0021		0.0021	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
beta-BHC	<0.0021		0.0021	0.0017	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
Chlordane (technical)	<0.0084		0.0084	0.0040	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
cis-Chlordane	<0.0021		0.0021	0.0011	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
delta-BHC	<0.0021		0.0021	0.0010	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
Dieldrin	<0.0021		0.0021	0.0011	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
Endosulfan I	<0.0021		0.0021	0.0011	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
Endosulfan II	<0.0021		0.0021	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
Endosulfan sulfate	<0.0021		0.0021	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
Endrin	<0.0021		0.0021	0.0011	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
Endrin aldehyde	<0.0021		0.0021	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
Endrin ketone	<0.0021		0.0021	0.0010	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
gamma-BHC (Lindane)	<0.0021		0.0021	0.0011	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
Heptachlor	<0.0021		0.0021	0.0011	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
Heptachlor epoxide	<0.0021		0.0021	0.0011	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
Methoxychlor	<0.010		0.010	0.0014	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
Toxaphene	<0.021		0.021	0.0085	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1
trans-Chlordane	<0.0021		0.0021	0.0012	mg/Kg	☼	03/19/24 07:28	03/19/24 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	87		33 - 148	03/19/24 07:28	03/19/24 16:10	1
Tetrachloro-m-xylene (Surr)	85		30 - 121	03/19/24 07:28	03/19/24 16:10	1

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Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Client Sample ID: R-4(0-3.5)-031324

Lab Sample ID: 500-247499-4

Date Collected: 03/13/24 15:55

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 77.0

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.021		0.021	0.0082	mg/Kg	✱	03/19/24 07:28	03/19/24 16:18	1
PCB-1221	<0.021		0.021	0.0082	mg/Kg	✱	03/19/24 07:28	03/19/24 16:18	1
PCB-1232	<0.021		0.021	0.0057	mg/Kg	✱	03/19/24 07:28	03/19/24 16:18	1
PCB-1242	<0.021		0.021	0.0082	mg/Kg	✱	03/19/24 07:28	03/19/24 16:18	1
PCB-1248	0.076		0.021	0.010	mg/Kg	✱	03/19/24 07:28	03/19/24 16:18	1
PCB-1254	<0.021		0.021	0.0071	mg/Kg	✱	03/19/24 07:28	03/19/24 16:18	1
PCB-1260	<0.021		0.021	0.0079	mg/Kg	✱	03/19/24 07:28	03/19/24 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	75		37 - 121				03/19/24 07:28	03/19/24 16:18	1
Tetrachloro-m-xylene (Surr)	96		49 - 129				03/19/24 07:28	03/19/24 16:18	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.42		0.42	0.11	mg/Kg	✱	03/21/24 14:37	03/25/24 12:34	10
Silvex (2,4,5-TP)	<0.42		0.42	0.072	mg/Kg	✱	03/21/24 14:37	03/25/24 12:34	10
2,4,5-T	<0.42		0.42	0.10	mg/Kg	✱	03/21/24 14:37	03/25/24 12:34	10
2,4-DB	<0.42		0.42	0.11	mg/Kg	✱	03/21/24 14:37	03/25/24 12:34	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	59		25 - 120				03/21/24 14:37	03/25/24 12:34	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5500		12	5.1	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Antimony	<1.2		1.2	0.24	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Arsenic	2.4		0.62	0.21	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Barium	42		0.62	0.071	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Beryllium	0.37		0.25	0.058	mg/Kg	✱	03/19/24 09:55	03/25/24 12:45	1
Cadmium	0.37	B	0.12	0.022	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Calcium	29000		12	2.1	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Chromium	9.0		0.62	0.31	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Cobalt	5.3		0.31	0.081	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Copper	11		0.62	0.17	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Iron	11000		12	6.4	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Lead	24		0.31	0.14	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Magnesium	15000		6.2	3.1	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Manganese	380		0.62	0.090	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Nickel	9.8		0.62	0.18	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Potassium	770		31	11	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Selenium	0.52	J	0.62	0.36	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Silver	0.41		0.31	0.080	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Sodium	330		62	9.2	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Thallium	<0.62		0.62	0.31	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Vanadium	12		0.31	0.073	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	1
Zinc	44		1.2	0.54	mg/Kg	✱	03/19/24 09:55	03/22/24 17:57	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		03/22/24 08:06	03/26/24 17:25	1

Euofins Chicago

Client Sample Results

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Client Sample ID: R-4(0-3.5)-031324

Lab Sample ID: 500-247499-4

Date Collected: 03/13/24 15:55

Matrix: Solid

Date Received: 03/14/24 14:14

Percent Solids: 77.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.45	J	0.50	0.050	mg/L		03/22/24 08:06	03/27/24 16:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/22/24 08:06	03/27/24 16:23	1
Cadmium	0.0051		0.0050	0.0020	mg/L		03/22/24 08:06	03/26/24 17:25	1
Chromium	<0.025		0.025	0.010	mg/L		03/22/24 08:06	03/26/24 17:25	1
Cobalt	0.040		0.025	0.010	mg/L		03/22/24 08:06	03/26/24 17:25	1
Copper	<0.025		0.025	0.010	mg/L		03/22/24 08:06	03/26/24 17:25	1
Iron	8.4		0.40	0.20	mg/L		03/22/24 08:06	03/27/24 16:23	1
Lead	0.015		0.0075	0.0075	mg/L		03/22/24 08:06	03/27/24 16:23	1
Manganese	7.7		0.025	0.010	mg/L		03/22/24 08:06	03/27/24 16:23	1
Nickel	0.16		0.025	0.010	mg/L		03/22/24 08:06	03/26/24 17:25	1
Selenium	<0.050		0.050	0.020	mg/L		03/22/24 08:06	03/26/24 17:25	1
Silver	<0.025		0.025	0.010	mg/L		03/22/24 08:06	03/26/24 17:25	1
Zinc	1.6		0.50	0.020	mg/L		03/22/24 08:06	03/26/24 17:25	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		03/22/24 16:05	03/27/24 02:10	1
Barium	0.055	J	0.50	0.050	mg/L		03/22/24 16:05	03/27/24 02:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/22/24 16:05	03/27/24 02:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/22/24 16:05	03/27/24 02:10	1
Chromium	0.014	J	0.025	0.010	mg/L		03/22/24 16:05	03/27/24 02:10	1
Cobalt	<0.025		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 02:10	1
Copper	0.042		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 02:10	1
Iron	16		0.40	0.20	mg/L		03/22/24 16:05	03/27/24 02:10	1
Lead	0.18	^5+	0.0075	0.0075	mg/L		03/22/24 16:05	03/27/24 02:10	1
Manganese	0.16		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 02:10	1
Nickel	<0.025		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 02:10	1
Selenium	<0.050		0.050	0.020	mg/L		03/22/24 16:05	03/27/24 02:10	1
Silver	<0.025		0.025	0.010	mg/L		03/22/24 16:05	03/27/24 02:10	1
Zinc	0.18	J ^1+	0.50	0.020	mg/L		03/22/24 16:05	03/27/24 02:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/28/24 11:25	03/29/24 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/28/24 11:25	03/29/24 12:21	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.020	0.011	mg/Kg	☆	03/25/24 17:05	03/26/24 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.2	0.2	SU			03/20/24 12:35	1

Definitions/Glossary

Client: Weston Solutions Inc
 Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines
 River

Job ID: 500-247499-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*.	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
^5+	Linear Range Check (LRC) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
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

Definitions/Glossary

Client: Weston Solutions Inc
Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines
River

Job ID: 500-247499-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

- 1
- 2
- 3
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- 14
- 15

Accreditation/Certification Summary

Client: Weston Solutions Inc
Project/Site: IDOT - WO 067 - FAP 333, IL120 @ Des Plaines River

Job ID: 500-247499-1

Laboratory: Eurofins Chicago

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


Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-24

- 1
- 2
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- 11
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- 13
- 14
- 15

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: A. SLESZES		Site Contact: A. SLESZES		Date: 3-13-2024		COC No									
Company Name WESTON SOLUTIONS, INC		Tel/Email: 224 864 7201		Lab Contact: J. KNAPP		Carrier:		1 of 1 COCs									
Address 300 KNIGHTSBRIDGE PKWY #300		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS/MSD (Y/N) VOC SVOC HERBICIDES PESTICIDES PCBs TRACE METALS TRACE METALS SLIP METALS PH		 500-247499 COC		Sampler									
City/State/Zip LINCOLNSHIRE, IL 60069		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS						For Lab Use Only:									
Phone 224 864-7201		TAT if different from Below _____						Walk-in Client									
Project Name IDOT - 067		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Lab Sampling									
Site GURNEE, IL								Job / SDG No									
P O #								500-247499									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes										
1	R-3(0-3.5)-031324	3-13-24	1505	G	SD	6	X	X	X	X	X	X	X	X	X	X	
2	R-3(0-3.5)-031324D	↓	1505	G	SD	6	X	X	X	X	X	X	X	X	X	X	
3	R-1(0-3.5)-031324		1510	G	SD	6	X	X	X	X	X	X	X	X	X	X	
4	R-4(0-3.5)-031324		1555	G	SD	6	X	X	X	X	X	X	X	X	X	X	
5	R-2(0-3.5)-031324	3-13-24	1620	G	SD	7	X	X	X	X	X	X	X	X	X	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____																	
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)											
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months											
Special Instructions/QC Requirements & Comments:																	
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No																	
Custody Seal No		Cooler Temp (°C) Obs'd		Corr'd		Therm ID No											
Relinquished by [Signature]		Company WESTON		Date/Time 3-14-24		Received by [Signature]		Company EETA									
Relinquished by [Signature]		Company EETA		Date/Time 3/14/24		Received by		Company									
Relinquished by		Company		Date/Time		Received in Laboratory by Stephanie Hernandez		Company EETA									
								Date/Time 3/14/24 1414									