



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: FAU 3592 - Brainard Ave, Burnham Office Phone Number, if available: _____

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

13800-14200 blocks of S. Brainard Avenue (Site 4230-56)

City: Burnham State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.63931 Longitude: - 87.53313
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 1,753

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 W. Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: _____

Contact: Irma Romiti-Johnson

Email, if available: Irma.Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 W. Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: _____

Contact: Irma Romiti-Johnson

Email, if available: Irma.Romiti-Johnson@illinois.gov

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

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS PL-2, PM-3 THROUGH PM-5 AND PM-7 WERE SAMPLED ADJACENT TO SITE 4230-56. SEE FIGURES 3-2 THROUGH 3-4 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-211525-1.
ALSO SEE FIGURE 4-2 THROUGH 4-4 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

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

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

5/5/2022
Date:



P.E or L.P.G. Seal:

Summary Table of Site 4230-56
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 3592 - Brainard Avenue from Muskegon Avenue to State Line
Chicago and Burnham, Cook County, Illinois

Location	PL-2	PM-3	PM-4	PM-5	PM-7	Soil Reference Concentrations
Field Sample ID	PL-2(0-2)-012722	PM-3(0-2)-012722	PM-4(0-2)-012722	PM-5(0-2)-012722	PM-7(0-2)-012722	
Sample Date	1/27/2022	1/27/2022	1/27/2022	1/27/2022	1/27/2022	
Site No.	4230-56	4230-56	4230-56	4230-56	4230-56	
Laboratory pH	8.6	8.8	8.8	8.6	8.5	<6.25,>9.0
VOCs (mg/kg)						
Acetone	ND	ND	ND	ND	0.0097 J	25
SVOCs (mg/kg)						
2-Methylnaphthalene	ND	0.019 J	ND	0.013 J	ND	---
Anthracene	ND	ND	ND	ND	ND	12000
Benzo(a)anthracene	0.048 J	0.033 J	0.0096 J	0.037 J	0.0058 J	0.9
Benzo(a)pyrene	0.06 J	0.038 J	0.011 J	0.044 J	ND	0.09
Benzo(b)fluoranthene	0.1 J	0.048 J	0.015 J	0.073 J	ND	0.9
Benzo(k)fluoranthene	0.047 J	0.021 J	ND	0.026 J	ND	9
Chrysene	0.057 J	0.038 J	0.013 J	0.057 J	ND	88
Fluoranthene	0.068 J	0.054 J	0.014 J	0.044 J	0.0077 J	3100
Indeno(1,2,3-cd)pyrene	ND	0.0098 J	ND	ND	ND	0.9
Naphthalene	ND	0.0095 J	ND	ND	ND	1.8
Phenanthrene	0.031 J	0.054 J	0.0075 J	0.078 J	ND	---
Pyrene	0.13 J	0.052 J	0.014 J	0.1 J	0.0085 J	2300
Total Metals (mg/kg)						
Aluminum, Total	2800	2300	1500	2700	1600	---
Antimony, Total	0.32 J	0.24 J	0.22 J	0.37 J	ND	5
Arsenic, Total	4.5	3.4	3.7	8.1	5	11.3 / 13
Barium, Total	20	18	8.7	21	4.4	1500
Beryllium, Total	0.25	0.28	0.16 J	0.34	0.17 J	22
Cadmium, Total	0.16 J	ND	ND	0.21 J	ND	5.2
Calcium, Total	8800 B	13000 B	9700 B	11000 B	10000 B	---
Chromium, Total	6.4	5.1	4.8	5.5	4.9	21
Cobalt, Total	2.5	2.6	2.3	3.1	2.3	20
Copper, Total	7.2	4.6	3.1	11	2.4	2900
Iron, Total	6800 B	7100 B	6100 B	8400 B	6200 B	15000 / 15900
Lead, Total	26	11	5.7	29	4.9	107
Magnesium, Total	5200 B	7300 B	5700 B	5900 B	6200 B	325000
Manganese, Total	110 B	140 B	130 B	140 B	77 B	630 / 636
Mercury, Total	0.019	0.0072 J	ND	0.027	ND	0.89
Nickel, Total	5.7	5.1	3.9	6.5	3.9	100
Potassium, Total	380	250	150	280	170	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Silver, Total	0.11 J	0.088 J	0.074 J	0.099 J	0.13 J	4.4
Sodium, Total	650	300	120	490	310	---
Thallium, Total	ND	ND	ND	0.28 J	ND	2.6
Vanadium, Total	11	14	9.3	11	11	550
Zinc, Total	37	27	16	45	15	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.21 J	0.12 J	0.1 J	0.17 J	0.06 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	0.0023 J	0.0024 J	0.0021 J	0.0035 J	0.002 J	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	0.89	ND	ND	5
Lead, TCLP	0.0076	ND	ND	ND	ND	0.0075
Manganese, TCLP	1.2	1.1	1.3	1.2	1	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.12 J	0.089 J	0.033 J	0.092 J	0.056 J	5
SPLP Metals (mg/l)						
Arsenic, SPLP	0.017 J	ND	ND	0.015 J	ND	0.05
Barium, SPLP	0.22 J	ND	ND	ND	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.051	ND	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	1
Copper, SPLP	0.049	ND	ND	0.018 J	ND	0.65
Iron, SPLP	40	3.9	7.2	9.7	4.1	5
Lead, SPLP	0.1	0.017	0.0081	0.06	0.0075	0.0075
Manganese, SPLP	0.27	0.13	0.084	0.2	0.043	0.15
Mercury, SPLP	ND	ND	ND	ND	ND	0.002
Nickel, SPLP	0.034	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.22 J	0.033 J	0.05 J	0.088 J	0.046 J	5

Notes:

- - not applicable or value not available.
- ND - Constituent not detected above the reporting limit.
- B - Compound was found in the blank and the investigative sample.
- J - Estimated concentration.
- Shaded values indicate concentration **exceeds** Reference Concentration.

ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-211525-1

Client Project/Site: IDOT - Chicago and Burnham - WO 033

For:

Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Attn: Mr. Andris Slesers



Authorized for release by:
2/10/2022 11:45:28 AM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PM-3(0-2)-012722

Lab Sample ID: 500-211525-4

Date Collected: 01/27/22 14:20

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.021		0.021	0.0090	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Benzene	<0.0021		0.0021	0.00053	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Bromodichloromethane	<0.0021		0.0021	0.00042	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Bromoform	<0.0021		0.0021	0.00061	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Bromomethane	<0.0052	*+	0.0052	0.0020	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Carbon disulfide	<0.0052	*-	0.0052	0.0011	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Carbon tetrachloride	<0.0021		0.0021	0.00060	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Chlorobenzene	<0.0021		0.0021	0.00076	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Chloroethane	<0.0052		0.0052	0.0015	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Chloroform	<0.0021		0.0021	0.00072	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Chloromethane	<0.0052		0.0052	0.0021	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
cis-1,2-Dichloroethene	<0.0021		0.0021	0.00058	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
cis-1,3-Dichloropropene	<0.0021		0.0021	0.00062	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Dibromochloromethane	<0.0021		0.0021	0.00068	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
1,1-Dichloroethane	<0.0021		0.0021	0.00071	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
1,2-Dichloroethane	<0.0052		0.0052	0.0016	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
1,1-Dichloroethene	<0.0021		0.0021	0.00071	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
1,2-Dichloropropane	<0.0021		0.0021	0.00054	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
1,3-Dichloropropene, Total	<0.0021		0.0021	0.00073	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Ethylbenzene	<0.0021		0.0021	0.00099	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
2-Hexanone	<0.0052		0.0052	0.0016	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Methylene Chloride	<0.0052		0.0052	0.0020	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Methyl Ethyl Ketone	<0.0052		0.0052	0.0023	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
methyl isobutyl ketone	<0.0052		0.0052	0.0015	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Methyl tert-butyl ether	<0.0021		0.0021	0.00061	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Styrene	<0.0021		0.0021	0.00063	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
1,1,2,2-Tetrachloroethane	<0.0021		0.0021	0.00066	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Tetrachloroethene	<0.0021		0.0021	0.00071	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Toluene	<0.0021		0.0021	0.00052	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
trans-1,2-Dichloroethene	<0.0021		0.0021	0.00092	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
trans-1,3-Dichloropropene	<0.0021		0.0021	0.00073	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
1,1,1-Trichloroethane	<0.0021		0.0021	0.00070	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
1,1,2-Trichloroethane	<0.0021		0.0021	0.00089	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Trichloroethene	<0.0021		0.0021	0.00070	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Vinyl chloride	<0.0021		0.0021	0.00092	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1
Xylenes, Total	<0.0041		0.0041	0.00066	mg/Kg	✳	01/27/22 17:43	02/03/22 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		75 - 131	01/27/22 17:43	02/03/22 17:20	1
Dibromofluoromethane (Surr)	108		75 - 126	01/27/22 17:43	02/03/22 17:20	1
1,2-Dichloroethane-d4 (Surr)	82		70 - 134	01/27/22 17:43	02/03/22 17:20	1
Toluene-d8 (Surr)	93		75 - 124	01/27/22 17:43	02/03/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PM-3(0-2)-012722

Lab Sample ID: 500-211525-4

Date Collected: 01/27/22 14:20

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.084	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
2-Methylnaphthalene	0.019	J	0.074	0.0068	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Benzo[a]anthracene	0.033	J	0.037	0.0050	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Benzo[a]pyrene	0.038		0.037	0.0071	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Benzo[b]fluoranthene	0.048		0.037	0.0080	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Benzo[g,h,i]perylene	<0.037		0.037	0.012	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Benzo[k]fluoranthene	0.021	J	0.037	0.011	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.067	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Carbazole	<0.19		0.19	0.092	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Chrysene	0.038		0.037	0.010	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0071	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Fluoranthene	0.054		0.037	0.0068	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Hexachlorobenzene	<0.074		0.074	0.0086	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	✳	02/05/22 07:54	02/05/22 21:56	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PM-3(0-2)-012722

Lab Sample ID: 500-211525-4

Date Collected: 01/27/22 14:20

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.0098	J	0.037	0.0096	mg/Kg	☼	02/05/22 07:54	02/05/22 21:56	1
Isophorone	<0.19		0.19	0.041	mg/Kg	☼	02/05/22 07:54	02/05/22 21:56	1
Naphthalene	0.0095	J	0.037	0.0057	mg/Kg	☼	02/05/22 07:54	02/05/22 21:56	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	02/05/22 07:54	02/05/22 21:56	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	02/05/22 07:54	02/05/22 21:56	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	02/05/22 07:54	02/05/22 21:56	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	02/05/22 07:54	02/05/22 21:56	1
Phenanthrene	0.054		0.037	0.0051	mg/Kg	☼	02/05/22 07:54	02/05/22 21:56	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	02/05/22 07:54	02/05/22 21:56	1
Pyrene	0.052		0.037	0.0073	mg/Kg	☼	02/05/22 07:54	02/05/22 21:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	59		31 - 143				02/05/22 07:54	02/05/22 21:56	1
2-Fluorobiphenyl (Surr)	90		43 - 145				02/05/22 07:54	02/05/22 21:56	1
2-Fluorophenol (Surr)	88		31 - 166				02/05/22 07:54	02/05/22 21:56	1
Nitrobenzene-d5 (Surr)	71		37 - 147				02/05/22 07:54	02/05/22 21:56	1
Phenol-d5 (Surr)	93		30 - 153				02/05/22 07:54	02/05/22 21:56	1
Terphenyl-d14 (Surr)	93		42 - 157				02/05/22 07:54	02/05/22 21:56	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:10	02/08/22 19:13	1
Barium	0.12	J	0.50	0.050	mg/L		02/08/22 08:10	02/08/22 19:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:10	02/08/22 19:13	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		02/08/22 08:10	02/08/22 19:13	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:13	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:13	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:13	1
Iron	<0.40		0.40	0.20	mg/L		02/08/22 08:10	02/08/22 19:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/22 08:10	02/08/22 19:13	1
Manganese	1.1		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:13	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:13	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:10	02/08/22 19:13	1
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:13	1
Zinc	0.089	J	0.50	0.020	mg/L		02/08/22 08:10	02/08/22 19:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:13	02/09/22 13:07	1
Barium	<0.50		0.50	0.050	mg/L		02/08/22 08:13	02/09/22 13:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:13	02/09/22 13:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:13	02/09/22 13:07	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:07	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:07	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:07	1
Iron	3.9		0.40	0.20	mg/L		02/08/22 08:13	02/09/22 13:07	1
Lead	0.017		0.0075	0.0075	mg/L		02/08/22 08:13	02/09/22 13:07	1
Manganese	0.13		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:07	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:07	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:13	02/09/22 13:07	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PM-3(0-2)-012722

Lab Sample ID: 500-211525-4

Date Collected: 01/27/22 14:20

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:07	1
Zinc	0.033	J	0.50	0.020	mg/L		02/08/22 08:13	02/09/22 13:07	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2300		11	4.4	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Antimony	0.24	J	1.1	0.21	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Arsenic	3.4		0.53	0.18	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Barium	18		0.53	0.061	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Beryllium	0.28		0.21	0.050	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Cadmium	0.086	J B	0.11	0.019	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Calcium	13000	B	11	1.8	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Chromium	5.1		0.53	0.26	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Cobalt	2.6		1.3	0.35	mg/Kg	☆	02/05/22 16:26	02/08/22 14:03	5
Copper	4.6		0.53	0.15	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Iron	7100	B	11	5.5	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Lead	11		0.27	0.12	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Magnesium	7300	B	5.3	2.6	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Manganese	140	B	0.53	0.077	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Nickel	5.1		0.53	0.16	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Potassium	250		27	9.4	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Selenium	<0.53		0.53	0.31	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Silver	0.088	J	0.27	0.069	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Sodium	300		53	7.9	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Thallium	<0.53		0.53	0.27	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Vanadium	14		0.27	0.063	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1
Zinc	27		1.1	0.47	mg/Kg	☆	02/05/22 16:26	02/07/22 18:29	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 10:00	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0072	J	0.017	0.0056	mg/Kg	☆	02/04/22 14:20	02/07/22 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			02/01/22 19:07	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PM-4(0-2)-012722

Lab Sample ID: 500-211525-5

Date Collected: 01/27/22 14:15

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0085	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Benzene	<0.0020		0.0020	0.00050	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Bromoform	<0.0020		0.0020	0.00057	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Bromomethane	<0.0049	*+	0.0049	0.0019	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Carbon disulfide	<0.0049	*-	0.0049	0.0010	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Carbon tetrachloride	<0.0020		0.0020	0.00057	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Chlorobenzene	<0.0020		0.0020	0.00072	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Chloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Chloroform	<0.0020		0.0020	0.00068	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Chloromethane	<0.0049		0.0049	0.0020	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00059	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Dibromochloromethane	<0.0020		0.0020	0.00064	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
1,1-Dichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
1,1-Dichloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00069	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Ethylbenzene	<0.0020		0.0020	0.00094	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Methylene Chloride	<0.0049		0.0049	0.0019	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Methyl Ethyl Ketone	<0.0049		0.0049	0.0022	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
methyl isobutyl ketone	<0.0049		0.0049	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00058	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Styrene	<0.0020		0.0020	0.00059	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00063	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Tetrachloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Toluene	<0.0020		0.0020	0.00049	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00087	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00069	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00066	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00084	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Trichloroethene	<0.0020		0.0020	0.00066	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Vinyl chloride	<0.0020		0.0020	0.00087	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1
Xylenes, Total	<0.0039		0.0039	0.00063	mg/Kg	☼	01/27/22 17:43	02/03/22 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		75 - 131	01/27/22 17:43	02/03/22 17:46	1
Dibromofluoromethane (Surr)	114		75 - 126	01/27/22 17:43	02/03/22 17:46	1
1,2-Dichloroethane-d4 (Surr)	85		70 - 134	01/27/22 17:43	02/03/22 17:46	1
Toluene-d8 (Surr)	88		75 - 124	01/27/22 17:43	02/03/22 17:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	02/05/22 07:54	02/05/22 22:20	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	02/05/22 07:54	02/05/22 22:20	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	02/05/22 07:54	02/05/22 22:20	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	02/05/22 07:54	02/05/22 22:20	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	02/05/22 07:54	02/05/22 22:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PM-4(0-2)-012722

Lab Sample ID: 500-211525-5

Date Collected: 01/27/22 14:15

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.082	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
2,4-Dichlorophenol	<0.36		0.36	0.085	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
2,4-Dinitrophenol	<0.72		0.72	0.63	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
2-Methylnaphthalene	<0.072		0.072	0.0066	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
2-Nitrophenol	<0.36		0.36	0.085	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
4,6-Dinitro-2-methylphenol	<0.72		0.72	0.29	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
4-Chloroaniline	<0.72		0.72	0.17	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
4-Nitrophenol	<0.72		0.72	0.34	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Acenaphthylene	<0.036		0.036	0.0047	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Benzo[a]anthracene	0.0096	J	0.036	0.0048	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Benzo[a]pyrene	0.011	J	0.036	0.0069	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Benzo[b]fluoranthene	0.015	J	0.036	0.0077	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Butyl benzyl phthalate	<0.18		0.18	0.068	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Carbazole	<0.18		0.18	0.090	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Chrysene	0.013	J	0.036	0.0098	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0069	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Fluoranthene	0.014	J	0.036	0.0067	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Fluorene	<0.036		0.036	0.0050	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Hexachlorobenzene	<0.072		0.072	0.0083	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Hexachlorocyclopentadiene	<0.72		0.72	0.21	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	✳	02/05/22 07:54	02/05/22 22:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PM-4(0-2)-012722

Lab Sample ID: 500-211525-5

Date Collected: 01/27/22 14:15

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.036		0.036	0.0093	mg/Kg	☼	02/05/22 07:54	02/05/22 22:20	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	02/05/22 07:54	02/05/22 22:20	1
Naphthalene	<0.036		0.036	0.0055	mg/Kg	☼	02/05/22 07:54	02/05/22 22:20	1
Nitrobenzene	<0.036		0.036	0.0090	mg/Kg	☼	02/05/22 07:54	02/05/22 22:20	1
N-Nitrosodi-n-propylamine	<0.072		0.072	0.044	mg/Kg	☼	02/05/22 07:54	02/05/22 22:20	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	02/05/22 07:54	02/05/22 22:20	1
Pentachlorophenol	<0.72		0.72	0.58	mg/Kg	☼	02/05/22 07:54	02/05/22 22:20	1
Phenanthrene	0.0075	J	0.036	0.0050	mg/Kg	☼	02/05/22 07:54	02/05/22 22:20	1
Phenol	<0.18		0.18	0.080	mg/Kg	☼	02/05/22 07:54	02/05/22 22:20	1
Pyrene	0.014	J	0.036	0.0071	mg/Kg	☼	02/05/22 07:54	02/05/22 22:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	56		31 - 143				02/05/22 07:54	02/05/22 22:20	1
2-Fluorobiphenyl (Surr)	101		43 - 145				02/05/22 07:54	02/05/22 22:20	1
2-Fluorophenol (Surr)	93		31 - 166				02/05/22 07:54	02/05/22 22:20	1
Nitrobenzene-d5 (Surr)	74		37 - 147				02/05/22 07:54	02/05/22 22:20	1
Phenol-d5 (Surr)	102		30 - 153				02/05/22 07:54	02/05/22 22:20	1
Terphenyl-d14 (Surr)	94		42 - 157				02/05/22 07:54	02/05/22 22:20	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:10	02/08/22 19:16	1
Barium	0.10	J	0.50	0.050	mg/L		02/08/22 08:10	02/08/22 19:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:10	02/08/22 19:16	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		02/08/22 08:10	02/08/22 19:16	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:16	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:16	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:16	1
Iron	0.89		0.40	0.20	mg/L		02/08/22 08:10	02/08/22 19:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/22 08:10	02/08/22 19:16	1
Manganese	1.3		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:16	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:16	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:10	02/08/22 19:16	1
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:16	1
Zinc	0.033	J	0.50	0.020	mg/L		02/08/22 08:10	02/08/22 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:13	02/09/22 13:10	1
Barium	<0.50		0.50	0.050	mg/L		02/08/22 08:13	02/09/22 13:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:13	02/09/22 13:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:13	02/09/22 13:10	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:10	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:10	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:10	1
Iron	7.2		0.40	0.20	mg/L		02/08/22 08:13	02/09/22 13:10	1
Lead	0.0081		0.0075	0.0075	mg/L		02/08/22 08:13	02/09/22 13:10	1
Manganese	0.084		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:10	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:10	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:13	02/09/22 13:10	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PM-4(0-2)-012722

Lab Sample ID: 500-211525-5

Date Collected: 01/27/22 14:15

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:10	1
Zinc	0.050	J	0.50	0.020	mg/L		02/08/22 08:13	02/09/22 13:10	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1500		11	4.3	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Antimony	0.22	J	1.1	0.21	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Arsenic	3.7		0.53	0.18	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Barium	8.7		0.53	0.061	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Beryllium	0.16	J	0.21	0.050	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Cadmium	0.051	J B	0.11	0.019	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Calcium	9700	B	11	1.8	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Chromium	4.8		0.53	0.26	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Cobalt	2.3		0.27	0.070	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Copper	3.1		0.53	0.15	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Iron	6100	B	11	5.5	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Lead	5.7		0.27	0.12	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Magnesium	5700	B	5.3	2.6	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Manganese	130	B	0.53	0.077	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Nickel	3.9		0.53	0.15	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Potassium	150		27	9.4	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Selenium	<0.53		0.53	0.31	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Silver	0.074	J	0.27	0.068	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Sodium	120		53	7.9	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Thallium	<0.53		0.53	0.26	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Vanadium	9.3		0.27	0.063	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1
Zinc	16		1.1	0.47	mg/Kg	☆	02/05/22 16:26	02/07/22 18:32	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 10:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 10:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.018		0.018	0.0060	mg/Kg	☆	02/04/22 14:20	02/07/22 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			02/01/22 19:10	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PM-5(0-2)-012722

Lab Sample ID: 500-211525-6

Date Collected: 01/27/22 14:05

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.021		0.021	0.0092	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Benzene	<0.0021		0.0021	0.00054	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Bromodichloromethane	<0.0021		0.0021	0.00043	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Bromoform	<0.0021		0.0021	0.00061	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Bromomethane	<0.0053	*+	0.0053	0.0020	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Carbon disulfide	<0.0053	*-	0.0053	0.0011	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Carbon tetrachloride	<0.0021		0.0021	0.00061	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Chlorobenzene	<0.0021		0.0021	0.00078	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Chloroethane	<0.0053		0.0053	0.0016	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Chloroform	<0.0021		0.0021	0.00073	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Chloromethane	<0.0053		0.0053	0.0021	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
cis-1,2-Dichloroethene	<0.0021		0.0021	0.00059	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
cis-1,3-Dichloropropene	<0.0021		0.0021	0.00063	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Dibromochloromethane	<0.0021		0.0021	0.00069	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
1,1-Dichloroethane	<0.0021		0.0021	0.00072	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
1,2-Dichloroethane	<0.0053		0.0053	0.0016	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
1,1-Dichloroethene	<0.0021		0.0021	0.00072	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
1,2-Dichloropropane	<0.0021		0.0021	0.00054	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
1,3-Dichloropropene, Total	<0.0021		0.0021	0.00074	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Ethylbenzene	<0.0021		0.0021	0.0010	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
2-Hexanone	<0.0053		0.0053	0.0016	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Methylene Chloride	<0.0053		0.0053	0.0021	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Methyl Ethyl Ketone	<0.0053		0.0053	0.0023	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
methyl isobutyl ketone	<0.0053		0.0053	0.0016	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Methyl tert-butyl ether	<0.0021		0.0021	0.00062	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Styrene	<0.0021		0.0021	0.00063	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
1,1,2,2-Tetrachloroethane	<0.0021		0.0021	0.00067	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Tetrachloroethene	<0.0021		0.0021	0.00072	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Toluene	<0.0021		0.0021	0.00053	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
trans-1,2-Dichloroethene	<0.0021		0.0021	0.00093	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
trans-1,3-Dichloropropene	<0.0021		0.0021	0.00074	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
1,1,1-Trichloroethane	<0.0021		0.0021	0.00071	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
1,1,2-Trichloroethane	<0.0021		0.0021	0.00090	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Trichloroethene	<0.0021		0.0021	0.00071	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Vinyl chloride	<0.0021		0.0021	0.00093	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1
Xylenes, Total	<0.0042		0.0042	0.00067	mg/Kg	☼	01/27/22 17:43	02/03/22 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		75 - 131	01/27/22 17:43	02/03/22 18:12	1
Dibromofluoromethane (Surr)	111		75 - 126	01/27/22 17:43	02/03/22 18:12	1
1,2-Dichloroethane-d4 (Surr)	82		70 - 134	01/27/22 17:43	02/03/22 18:12	1
Toluene-d8 (Surr)	88		75 - 124	01/27/22 17:43	02/03/22 18:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	02/05/22 07:54	02/07/22 18:31	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	02/05/22 07:54	02/07/22 18:31	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	02/05/22 07:54	02/07/22 18:31	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☼	02/05/22 07:54	02/07/22 18:31	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	02/05/22 07:54	02/07/22 18:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PM-5(0-2)-012722

Lab Sample ID: 500-211525-6

Date Collected: 01/27/22 14:05

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.084	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
2-Methylnaphthalene	0.013	J	0.074	0.0068	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
3,3'-Dichlorobenzidine	<0.19	*3	0.19	0.052	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Benzo[a]anthracene	0.037	*3	0.037	0.0050	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Benzo[a]pyrene	0.044	*3	0.037	0.0071	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Benzo[b]fluoranthene	0.073	*3	0.037	0.0080	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Benzo[g,h,i]perylene	<0.037	*3	0.037	0.012	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Benzo[k]fluoranthene	0.026	J *3	0.037	0.011	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Bis(2-ethylhexyl) phthalate	<0.19	*3	0.19	0.067	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Butyl benzyl phthalate	<0.19	*3	0.19	0.070	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Carbazole	<0.19		0.19	0.092	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Chrysene	0.057	*3	0.037	0.010	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Dibenz(a,h)anthracene	<0.037	*3	0.037	0.0071	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Fluoranthene	0.044		0.037	0.0068	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Hexachlorobenzene	<0.074		0.074	0.0086	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	✳	02/05/22 07:54	02/07/22 18:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PM-5(0-2)-012722

Lab Sample ID: 500-211525-6

Date Collected: 01/27/22 14:05

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.037	*3	0.037	0.0096	mg/Kg	☼	02/05/22 07:54	02/07/22 18:31	1
Isophorone	<0.19		0.19	0.041	mg/Kg	☼	02/05/22 07:54	02/07/22 18:31	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	02/05/22 07:54	02/07/22 18:31	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	02/05/22 07:54	02/07/22 18:31	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	02/05/22 07:54	02/07/22 18:31	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	02/05/22 07:54	02/07/22 18:31	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	02/05/22 07:54	02/07/22 18:31	1
Phenanthrene	0.078		0.037	0.0051	mg/Kg	☼	02/05/22 07:54	02/07/22 18:31	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	02/05/22 07:54	02/07/22 18:31	1
Pyrene	0.10	*3	0.037	0.0073	mg/Kg	☼	02/05/22 07:54	02/07/22 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		31 - 143				02/05/22 07:54	02/07/22 18:31	1
2-Fluorobiphenyl (Surr)	109		43 - 145				02/05/22 07:54	02/07/22 18:31	1
2-Fluorophenol (Surr)	135		31 - 166				02/05/22 07:54	02/07/22 18:31	1
Nitrobenzene-d5 (Surr)	70		37 - 147				02/05/22 07:54	02/07/22 18:31	1
Phenol-d5 (Surr)	112		30 - 153				02/05/22 07:54	02/07/22 18:31	1
Terphenyl-d14 (Surr)	202	S1+ *3	42 - 157				02/05/22 07:54	02/07/22 18:31	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:10	02/08/22 19:39	1
Barium	0.17	J	0.50	0.050	mg/L		02/08/22 08:10	02/08/22 19:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:10	02/08/22 19:39	1
Cadmium	0.0035	J	0.0050	0.0020	mg/L		02/08/22 08:10	02/08/22 19:39	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:39	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:39	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:39	1
Iron	<0.40		0.40	0.20	mg/L		02/08/22 08:10	02/08/22 19:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/22 08:10	02/08/22 19:39	1
Manganese	1.2		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:39	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:39	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:10	02/08/22 19:39	1
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:39	1
Zinc	0.092	J	0.50	0.020	mg/L		02/08/22 08:10	02/08/22 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	J	0.050	0.010	mg/L		02/08/22 08:13	02/09/22 13:14	1
Barium	<0.50		0.50	0.050	mg/L		02/08/22 08:13	02/09/22 13:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:13	02/09/22 13:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:13	02/09/22 13:14	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:14	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:14	1
Copper	0.018	J	0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:14	1
Iron	9.7		0.40	0.20	mg/L		02/08/22 08:13	02/09/22 13:14	1
Lead	0.060		0.0075	0.0075	mg/L		02/08/22 08:13	02/09/22 13:14	1
Manganese	0.20		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:14	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:14	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:13	02/09/22 13:14	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PM-5(0-2)-012722

Lab Sample ID: 500-211525-6

Date Collected: 01/27/22 14:05

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:14	1
Zinc	0.088	J	0.50	0.020	mg/L		02/08/22 08:13	02/09/22 13:14	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2700		11	4.5	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Antimony	0.37	J	1.1	0.21	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Arsenic	8.1		0.55	0.19	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Barium	21		0.55	0.063	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Beryllium	0.34		0.22	0.051	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Cadmium	0.21	B	0.11	0.020	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Calcium	11000	B	11	1.9	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Chromium	5.5		0.55	0.27	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Cobalt	3.1		0.27	0.072	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Copper	11		0.55	0.15	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Iron	8400	B	11	5.7	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Lead	29		0.27	0.13	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Magnesium	5900	B	5.5	2.7	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Manganese	140	B	0.55	0.080	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Nickel	6.5		0.55	0.16	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Potassium	280		27	9.7	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Selenium	<0.55		0.55	0.32	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Silver	0.099	J	0.27	0.071	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Sodium	490		55	8.1	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Thallium	0.28	J	0.55	0.27	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Vanadium	11		0.27	0.065	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1
Zinc	45		1.1	0.48	mg/Kg	☆	02/05/22 16:26	02/07/22 18:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 10:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.018	0.0060	mg/Kg	☆	02/04/22 14:20	02/07/22 09:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			02/01/22 19:12	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PM-7(0-2)-012722

Lab Sample ID: 500-211525-8

Date Collected: 01/27/22 13:50

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0097	J	0.021	0.0093	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Benzene	<0.0021		0.0021	0.00055	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Bromodichloromethane	<0.0021		0.0021	0.00044	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Bromoform	<0.0021		0.0021	0.00062	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Bromomethane	<0.0053	*+	0.0053	0.0020	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Carbon disulfide	<0.0053	*-	0.0053	0.0011	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Carbon tetrachloride	<0.0021		0.0021	0.00062	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Chlorobenzene	<0.0021		0.0021	0.00079	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Chloroethane	<0.0053		0.0053	0.0016	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Chloroform	<0.0021		0.0021	0.00074	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Chloromethane	<0.0053		0.0053	0.0022	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
cis-1,2-Dichloroethene	<0.0021		0.0021	0.00060	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
cis-1,3-Dichloropropene	<0.0021		0.0021	0.00065	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Dibromochloromethane	<0.0021		0.0021	0.00070	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
1,1-Dichloroethane	<0.0021		0.0021	0.00073	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
1,2-Dichloroethane	<0.0053		0.0053	0.0017	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
1,1-Dichloroethene	<0.0021		0.0021	0.00074	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
1,2-Dichloropropane	<0.0021		0.0021	0.00055	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
1,3-Dichloropropane, Total	<0.0021		0.0021	0.00075	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Ethylbenzene	<0.0021		0.0021	0.0010	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
2-Hexanone	<0.0053		0.0053	0.0017	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Methylene Chloride	<0.0053		0.0053	0.0021	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Methyl Ethyl Ketone	<0.0053		0.0053	0.0024	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
methyl isobutyl ketone	<0.0053		0.0053	0.0016	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Methyl tert-butyl ether	<0.0021		0.0021	0.00063	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Styrene	<0.0021		0.0021	0.00065	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
1,1,2,2-Tetrachloroethane	<0.0021		0.0021	0.00068	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Tetrachloroethene	<0.0021		0.0021	0.00073	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Toluene	<0.0021		0.0021	0.00054	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
trans-1,2-Dichloroethene	<0.0021		0.0021	0.00095	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
trans-1,3-Dichloropropene	<0.0021		0.0021	0.00075	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
1,1,1-Trichloroethane	<0.0021		0.0021	0.00072	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
1,1,2-Trichloroethane	<0.0021		0.0021	0.00092	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Trichloroethene	<0.0021		0.0021	0.00072	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Vinyl chloride	<0.0021		0.0021	0.00095	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1
Xylenes, Total	<0.0043		0.0043	0.00068	mg/Kg	✱	01/27/22 17:43	02/03/22 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		75 - 131	01/27/22 17:43	02/03/22 19:02	1
Dibromofluoromethane (Surr)	110		75 - 126	01/27/22 17:43	02/03/22 19:02	1
1,2-Dichloroethane-d4 (Surr)	84		70 - 134	01/27/22 17:43	02/03/22 19:02	1
Toluene-d8 (Surr)	87		75 - 124	01/27/22 17:43	02/03/22 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	✱	02/05/22 07:54	02/06/22 00:22	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	✱	02/05/22 07:54	02/06/22 00:22	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	✱	02/05/22 07:54	02/06/22 00:22	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	✱	02/05/22 07:54	02/06/22 00:22	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	✱	02/05/22 07:54	02/06/22 00:22	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PM-7(0-2)-012722

Lab Sample ID: 500-211525-8

Date Collected: 01/27/22 13:50

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.084	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
2-Methylnaphthalene	<0.075		0.075	0.0068	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Benzo[a]anthracene	0.0058	J	0.037	0.0050	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Benzo[a]pyrene	<0.037	*3	0.037	0.0072	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Benzo[b]fluoranthene	<0.037	*3	0.037	0.0080	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Benzo[g,h,i]perylene	<0.037	*3	0.037	0.012	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Benzo[k]fluoranthene	<0.037	*3	0.037	0.011	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Carbazole	<0.19		0.19	0.092	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Chrysene	<0.037		0.037	0.010	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Dibenz(a,h)anthracene	<0.037	*3	0.037	0.0071	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Fluoranthene	0.0077	J	0.037	0.0069	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	✳	02/05/22 07:54	02/06/22 00:22	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PM-7(0-2)-012722

Lab Sample ID: 500-211525-8

Date Collected: 01/27/22 13:50

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.037	*3	0.037	0.0096	mg/Kg	☼	02/05/22 07:54	02/06/22 00:22	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	02/05/22 07:54	02/06/22 00:22	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	02/05/22 07:54	02/06/22 00:22	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	02/05/22 07:54	02/06/22 00:22	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	02/05/22 07:54	02/06/22 00:22	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	02/05/22 07:54	02/06/22 00:22	1
Pentachlorophenol	<0.75		0.75	0.59	mg/Kg	☼	02/05/22 07:54	02/06/22 00:22	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	02/05/22 07:54	02/06/22 00:22	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	02/05/22 07:54	02/06/22 00:22	1
Pyrene	0.0085	J	0.037	0.0073	mg/Kg	☼	02/05/22 07:54	02/06/22 00:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		31 - 143	02/05/22 07:54	02/06/22 00:22	1
2-Fluorobiphenyl (Surr)	108		43 - 145	02/05/22 07:54	02/06/22 00:22	1
2-Fluorophenol (Surr)	103		31 - 166	02/05/22 07:54	02/06/22 00:22	1
Nitrobenzene-d5 (Surr)	75		37 - 147	02/05/22 07:54	02/06/22 00:22	1
Phenol-d5 (Surr)	106		30 - 153	02/05/22 07:54	02/06/22 00:22	1
Terphenyl-d14 (Surr)	107		42 - 157	02/05/22 07:54	02/06/22 00:22	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:10	02/08/22 19:46	1
Barium	0.060	J	0.50	0.050	mg/L		02/08/22 08:10	02/08/22 19:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:10	02/08/22 19:46	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		02/08/22 08:10	02/08/22 19:46	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:46	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:46	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:46	1
Iron	<0.40		0.40	0.20	mg/L		02/08/22 08:10	02/08/22 19:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/22 08:10	02/08/22 19:46	1
Manganese	1.0		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:46	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:46	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:10	02/08/22 19:46	1
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:46	1
Zinc	0.056	J	0.50	0.020	mg/L		02/08/22 08:10	02/08/22 19:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:13	02/09/22 13:26	1
Barium	<0.50		0.50	0.050	mg/L		02/08/22 08:13	02/09/22 13:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:13	02/09/22 13:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:13	02/09/22 13:26	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:26	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:26	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:26	1
Iron	4.1		0.40	0.20	mg/L		02/08/22 08:13	02/09/22 13:26	1
Lead	0.0075		0.0075	0.0075	mg/L		02/08/22 08:13	02/09/22 13:26	1
Manganese	0.043		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:26	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:26	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:13	02/09/22 13:26	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PM-7(0-2)-012722

Lab Sample ID: 500-211525-8

Date Collected: 01/27/22 13:50

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:26	1
Zinc	0.046	J	0.50	0.020	mg/L		02/08/22 08:13	02/09/22 13:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1600		11	4.6	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Antimony	<1.1		1.1	0.22	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Arsenic	5.0		0.57	0.19	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Barium	4.4		0.57	0.065	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Beryllium	0.17	J	0.23	0.053	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Cadmium	0.059	J B	0.11	0.020	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Calcium	10000	B	11	1.9	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Chromium	4.9		0.57	0.28	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Cobalt	2.3		0.28	0.074	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Copper	2.4		0.57	0.16	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Iron	6200	B	11	5.9	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Lead	4.9		0.28	0.13	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Magnesium	6200	B	5.7	2.8	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Manganese	77	B	0.57	0.082	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Nickel	3.9		0.57	0.16	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Potassium	170		28	10	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Selenium	<0.57		0.57	0.33	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Silver	0.13	J	0.28	0.073	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Sodium	310		57	8.4	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Thallium	<0.57		0.57	0.28	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Vanadium	11		0.28	0.067	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1
Zinc	15		1.1	0.50	mg/Kg	☆	02/05/22 16:26	02/07/22 18:42	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 10:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 10:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.017		0.017	0.0058	mg/Kg	☆	02/04/22 14:20	02/07/22 09:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.2	0.2	SU			02/01/22 19:22	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PL-2(0-2)-012722

Lab Sample ID: 500-211525-10

Date Collected: 01/27/22 13:35

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0081	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Benzene	<0.0019		0.0019	0.00048	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Bromoform	<0.0019		0.0019	0.00054	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Bromomethane	<0.0047	*+	0.0047	0.0018	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Carbon disulfide	<0.0047	*-	0.0047	0.00097	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Chlorobenzene	<0.0019		0.0019	0.00069	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Chloroethane	<0.0047		0.0047	0.0014	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Chloroform	<0.0019		0.0019	0.00065	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Chloromethane	<0.0047		0.0047	0.0019	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00056	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
1,2-Dichloroethane	<0.0047		0.0047	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
1,1-Dichloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
1,2-Dichloropropane	<0.0019		0.0019	0.00048	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00065	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Ethylbenzene	<0.0019		0.0019	0.00089	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Methylene Chloride	<0.0047		0.0047	0.0018	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Methyl Ethyl Ketone	<0.0047		0.0047	0.0021	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
methyl isobutyl ketone	<0.0047		0.0047	0.0014	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Styrene	<0.0019		0.0019	0.00056	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00060	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Tetrachloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Toluene	<0.0019		0.0019	0.00047	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00083	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00065	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00063	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00080	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Vinyl chloride	<0.0019		0.0019	0.00082	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1
Xylenes, Total	<0.0037		0.0037	0.00060	mg/Kg	☼	01/27/22 17:43	02/03/22 19:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		75 - 131	01/27/22 17:43	02/03/22 19:53	1
Dibromofluoromethane (Surr)	113		75 - 126	01/27/22 17:43	02/03/22 19:53	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	01/27/22 17:43	02/03/22 19:53	1
Toluene-d8 (Surr)	90		75 - 124	01/27/22 17:43	02/03/22 19:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	02/05/22 07:54	02/07/22 19:20	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	02/05/22 07:54	02/07/22 19:20	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	02/05/22 07:54	02/07/22 19:20	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	02/05/22 07:54	02/07/22 19:20	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	02/05/22 07:54	02/07/22 19:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PL-2(0-2)-012722

Lab Sample ID: 500-211525-10

Date Collected: 01/27/22 13:35

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
3,3'-Dichlorobenzidine	<0.19	*3	0.19	0.054	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Benzo[a]anthracene	0.048	*3	0.038	0.0052	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Benzo[a]pyrene	0.060	*3	0.038	0.0075	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Benzo[b]fluoranthene	0.10	*3	0.038	0.0083	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Benzo[g,h,i]perylene	<0.038	*3	0.038	0.012	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Benzo[k]fluoranthene	0.047	*3	0.038	0.011	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Bis(2-ethylhexyl) phthalate	<0.19	*3	0.19	0.070	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Butyl benzyl phthalate	<0.19	*3	0.19	0.073	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Carbazole	<0.19		0.19	0.096	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Chrysene	0.057	*3	0.038	0.011	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Dibenz(a,h)anthracene	<0.038	*3	0.038	0.0074	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Fluoranthene	0.068		0.038	0.0071	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Hexachlorobenzene	<0.078		0.078	0.0089	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	✳	02/05/22 07:54	02/07/22 19:20	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PL-2(0-2)-012722

Lab Sample ID: 500-211525-10

Date Collected: 01/27/22 13:35

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038	*3	0.038	0.010	mg/Kg	☼	02/05/22 07:54	02/07/22 19:20	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	02/05/22 07:54	02/07/22 19:20	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	02/05/22 07:54	02/07/22 19:20	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	02/05/22 07:54	02/07/22 19:20	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	02/05/22 07:54	02/07/22 19:20	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	02/05/22 07:54	02/07/22 19:20	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	02/05/22 07:54	02/07/22 19:20	1
Phenanthrene	0.031	J	0.038	0.0054	mg/Kg	☼	02/05/22 07:54	02/07/22 19:20	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	02/05/22 07:54	02/07/22 19:20	1
Pyrene	0.13	*3	0.038	0.0077	mg/Kg	☼	02/05/22 07:54	02/07/22 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		31 - 143				02/05/22 07:54	02/07/22 19:20	1
2-Fluorobiphenyl (Surr)	102		43 - 145				02/05/22 07:54	02/07/22 19:20	1
2-Fluorophenol (Surr)	121		31 - 166				02/05/22 07:54	02/07/22 19:20	1
Nitrobenzene-d5 (Surr)	69		37 - 147				02/05/22 07:54	02/07/22 19:20	1
Phenol-d5 (Surr)	100		30 - 153				02/05/22 07:54	02/07/22 19:20	1
Terphenyl-d14 (Surr)	201	S1+ *3	42 - 157				02/05/22 07:54	02/07/22 19:20	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:10	02/08/22 19:53	1
Barium	0.21	J	0.50	0.050	mg/L		02/08/22 08:10	02/08/22 19:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:10	02/08/22 19:53	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		02/08/22 08:10	02/08/22 19:53	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:53	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:53	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:53	1
Iron	<0.40		0.40	0.20	mg/L		02/08/22 08:10	02/08/22 19:53	1
Lead	0.0076		0.0075	0.0075	mg/L		02/08/22 08:10	02/08/22 19:53	1
Manganese	1.2		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:53	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:53	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:10	02/08/22 19:53	1
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:53	1
Zinc	0.12	J	0.50	0.020	mg/L		02/08/22 08:10	02/08/22 19:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.017	J	0.050	0.010	mg/L		02/08/22 08:13	02/09/22 13:33	1
Barium	0.22	J	0.50	0.050	mg/L		02/08/22 08:13	02/09/22 13:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:13	02/09/22 13:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:13	02/09/22 13:33	1
Chromium	0.051		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:33	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:33	1
Copper	0.049		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:33	1
Iron	40		0.40	0.20	mg/L		02/08/22 08:13	02/09/22 13:33	1
Lead	0.10		0.0075	0.0075	mg/L		02/08/22 08:13	02/09/22 13:33	1
Manganese	0.27		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:33	1
Nickel	0.034		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:33	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:13	02/09/22 13:33	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: PL-2(0-2)-012722

Lab Sample ID: 500-211525-10

Date Collected: 01/27/22 13:35

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:33	1
Zinc	0.22	J	0.50	0.020	mg/L		02/08/22 08:13	02/09/22 13:33	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2800		11	4.5	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Antimony	0.32	J	1.1	0.22	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Arsenic	4.5		0.55	0.19	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Barium	20		0.55	0.063	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Beryllium	0.25		0.22	0.052	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Cadmium	0.16	B	0.11	0.020	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Calcium	8800	B	11	1.9	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Chromium	6.4		0.55	0.27	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Cobalt	2.5		0.28	0.073	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Copper	7.2		0.55	0.16	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Iron	6800	B	11	5.8	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Lead	26		0.28	0.13	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Magnesium	5200	B	5.5	2.7	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Manganese	110	B	0.55	0.080	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Nickel	5.7		0.55	0.16	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Potassium	380		28	9.8	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Selenium	<0.55		0.55	0.33	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Silver	0.11	J	0.28	0.071	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Sodium	650		55	8.2	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Thallium	<0.55		0.55	0.28	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Vanadium	11		0.28	0.065	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1
Zinc	37		1.1	0.49	mg/Kg	☆	02/05/22 16:26	02/07/22 18:48	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 10:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.018	0.0061	mg/Kg	☆	02/04/22 14:20	02/07/22 09:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			02/01/22 19:26	1

Definitions/Glossary

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Glossary (Continued)

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

1

2

3

4

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-22

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

Chain of Custody Record

542616




Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: A. Sese		Site Contact: T. Oberman		Date: 1/27		COC No	
Company Name: WESTON SOLUTIONS		Tel/Email		Lab Contact: B. Wright		Carrier		2 of COCs	
Address: 300 Middleborough Pkwy		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		Filtered Sample (Y/N)		Perform MS/MSD (Y/N)		Sampler	
City/State/Zip: Hampshire 1h 00009									
Phone: 224-664-7201		<input type="checkbox"/> 2 weeks		VOCs SVOCs Total Metals TCLP/SPLP Metals PH		 500-211525 COC		For Lab Use Only	
Fax		<input type="checkbox"/> 1 week						Walk in Client	
Project Name: 1DOT 033		<input type="checkbox"/> 2 days						Lab Sampling	
Site		<input type="checkbox"/> 1 day						Job / SDG No	
P O #								500-211525	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.			Sample Specific Notes
11B	PM-1 (0-2) 012722	1/27/22	1435	G	S	5	X	X	X
21A	PM-1 (0-2) 012722D		1425	G					
315	PM-2 (0-2) 012722		1425	G					
416	PM-3 (0-2) 012722		1420	G					
517	PM-4 (0-2) 012722		1415	G					
618	PM-5 (0-2) 012722		1405	G					
719	PM-6 (0-2) 012722		1400	G					
820	PM-7 (0-2) 012722		1350	G					
921	PL-1 (0-2) 012722		1340	G					
1022	PL-2 (0-2) 012722		1335	G					
11	SM-1 (0-2) 012722		1325	G	↓				
12	SM-2 (0-2) 012722		1320	G	↓				
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.							<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months		
<input checked="" type="checkbox"/> Non Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown									
Special Instructions/QC Requirements & Comments: includes TCLP/SPLP Mn + Fe 12.1 → 11.9, 6.3 → 6.4									
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: Stephane Hernandez		Company: Weston		Date/Time: 1/27/22 1540		Received by:		Date/Time:	
Relinquished by:		Company:		Date/Time:		Received by:		Date/Time:	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: Stephane Hernandez		Date/Time: 1/27/22 1540	



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: FAU 3592 - Brainard Ave, Burnham Office Phone Number, if available: _____

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

13830 S. Brainard (Site 4230-57)

City: Burnham State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.63453 Longitude: - 87.52821
(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.): 545

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 W. Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: _____

Contact: Irma Romiti-Johnson

Email, if available: Irma.Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 W. Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: _____

Contact: Irma Romiti-Johnson

Email, if available: Irma.Romiti-Johnson@illinois.gov

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

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS SM-1 AND SM-2 WERE SAMPLED ADJACENT TO SITE 4230-57. SEE FIGURE 3-4 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-211525-1.
ALSO SEE FIGURE 4-4 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

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

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

5/5/2022
Date:



P.E or L.P.G. Seal:

Summary Table of Site 4230-57
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 3592 - Brainard Avenue from Muskegon Avenue to State Line
Chicago and Burnham, Cook County, Illinois

Location	SM-1	SM-2	Soil Reference Concentrations
FieldSampleID	SM-1(0-2)-012722	SM-2(0-2)-012722	
SampleDate_D	1/27/2022	1/27/2022	
Site No.	4230-57	4230-57	
Laboratory pH	8.3	8.5	<6.25,>9.0
VOCs	No Detections		
SVOCs (mg/kg)			
2-Methylnaphthalene	0.089 J	ND	---
Anthracene	0.011 J	ND	12000
Benzo(a)anthracene	0.055 J	ND	0.9
Benzo(a)pyrene	0.074 J	ND	0.09
Benzo(b)fluoranthene	0.11 J	ND	0.9
Benzo(k)fluoranthene	0.047 J	ND	9
Chrysene	0.084 J	ND	88
Fluoranthene	0.065 J	ND	3100
Naphthalene	0.03 J	ND	1.8
Phenanthrene	0.16 J	ND	---
Pyrene	0.17 J	ND	2300
Total Metals (mg/kg)			
Aluminum, Total	5600	1500	---
Antimony, Total	0.39 J	0.35 J	5
Arsenic, Total	6.4	2.2	11.3 / 13
Barium, Total	64	5.4	1500
Beryllium, Total	0.79	0.13 J	22
Cadmium, Total	ND	0.11 J	5.2
Calcium, Total	16000 B	7600 B	---
Chromium, Total	8.8	3.1	21
Cobalt, Total	4.3	2.4	20
Copper, Total	10	1.6	2900
Iron, Total	15000 B	4200 B	15000 / 15900
Lead, Total	27	2.9	107
Magnesium, Total	5800 B	4600 B	325000
Manganese, Total	170 B	110 B	630 / 636
Mercury, Total	0.012 J	0.0063 J	0.89
Nickel, Total	9.2	3.5	100
Potassium, Total	630	160	---
Selenium, Total	ND	ND	1.3
Silver, Total	0.17 J	0.11 J	4.4
Sodium, Total	710	210	---
Thallium, Total	ND	ND	2.6
Vanadium, Total	14	5.5	550
Zinc, Total	44	13	5100
TCLP Metals (mg/l)			
Arsenic, TCLP	ND	ND	0.05
Barium, TCLP	0.14 J	ND	2
Beryllium, TCLP	ND	ND	0.004
Cadmium, TCLP	0.0022 J	0.0033 J	0.005
Chromium, TCLP	ND	ND	0.1
Cobalt, TCLP	ND	ND	1
Copper, TCLP	ND	ND	0.65
Iron, TCLP	ND	ND	5
Lead, TCLP	ND	ND	0.0075
Manganese, TCLP	1	1.4	0.15
Mercury, TCLP	ND	ND	0.002
Nickel, TCLP	ND	ND	0.1
Selenium, TCLP	ND	ND	0.05
Silver, TCLP	ND	ND	0.05
Zinc, TCLP	0.046 J	0.026 J	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.011 J	ND	0.05
Barium, SPLP	ND	ND	2
Beryllium, SPLP	ND	ND	0.004
Cadmium, SPLP	ND	ND	0.005
Chromium, SPLP	ND	ND	0.1
Cobalt, SPLP	ND	ND	1
Copper, SPLP	0.011 J	ND	0.65
Iron, SPLP	5.8	7.8	5
Lead, SPLP	0.033	ND	0.0075
Manganese, SPLP	0.15	0.14	0.15
Mercury, SPLP	ND	ND	0.002
Nickel, SPLP	ND	ND	0.1
Selenium, SPLP	ND	ND	0.05
Silver, SPLP	ND	ND	0.05
Zinc, SPLP	0.081 J	0.042 J	5

Notes:

- - not applicable or value not available.
- ND - Constituent not detected above the reporting limit.
- B - Compound was found in the blank and the investigative sample.
- J - Estimated concentration.
- Shaded values indicate concentration **exceeds** Reference Concentration.

ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-211525-1

Client Project/Site: IDOT - Chicago and Burnham - WO 033

For:

Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Attn: Mr. Andris Slesers



Authorized for release by:
2/10/2022 11:45:28 AM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: SM-1(0-2)-012722

Lab Sample ID: 500-211525-11

Date Collected: 01/27/22 13:25

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0086	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Benzene	<0.0020		0.0020	0.00050	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Bromoform	<0.0020		0.0020	0.00058	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Bromomethane	<0.0049	*+	0.0049	0.0019	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Carbon disulfide	<0.0049	*-	0.0049	0.0010	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Carbon tetrachloride	<0.0020		0.0020	0.00057	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Chlorobenzene	<0.0020		0.0020	0.00073	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Chloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Chloroform	<0.0020		0.0020	0.00068	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Chloromethane	<0.0049		0.0049	0.0020	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00059	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Dibromochloromethane	<0.0020		0.0020	0.00064	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
1,1-Dichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
1,1-Dichloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00069	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Ethylbenzene	<0.0020		0.0020	0.00094	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Methylene Chloride	<0.0049		0.0049	0.0019	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Methyl Ethyl Ketone	<0.0049		0.0049	0.0022	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
methyl isobutyl ketone	<0.0049		0.0049	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00058	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Styrene	<0.0020		0.0020	0.00059	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00063	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Tetrachloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Toluene	<0.0020		0.0020	0.00050	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00087	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00069	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00066	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00084	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Trichloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Vinyl chloride	<0.0020		0.0020	0.00087	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1
Xylenes, Total	<0.0039		0.0039	0.00063	mg/Kg	☼	01/27/22 17:43	02/03/22 20:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		75 - 131	01/27/22 17:43	02/03/22 20:19	1
Dibromofluoromethane (Surr)	112		75 - 126	01/27/22 17:43	02/03/22 20:19	1
1,2-Dichloroethane-d4 (Surr)	82		70 - 134	01/27/22 17:43	02/03/22 20:19	1
Toluene-d8 (Surr)	87		75 - 124	01/27/22 17:43	02/03/22 20:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.043	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: SM-1(0-2)-012722

Lab Sample ID: 500-211525-11

Date Collected: 01/27/22 13:25

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.084	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
2,4-Dichlorophenol	<0.37		0.37	0.087	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
2-Chloronaphthalene	<0.18		0.18	0.041	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
2-Chlorophenol	<0.18		0.18	0.063	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
2-Methylnaphthalene	0.089		0.074	0.0068	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
3,3'-Dichlorobenzidine	<0.18	*3	0.18	0.051	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
4-Chloro-3-methylphenol	<0.37		0.37	0.12	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Acenaphthylene	<0.037		0.037	0.0048	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Anthracene	0.011	J	0.037	0.0061	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Benzo[a]anthracene	0.055	*3	0.037	0.0049	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Benzo[a]pyrene	0.074	*3	0.037	0.0071	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Benzo[b]fluoranthene	0.11	*3	0.037	0.0079	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Benzo[g,h,i]perylene	<0.037	*3	0.037	0.012	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Benzo[k]fluoranthene	0.047	*3	0.037	0.011	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Bis(2-ethylhexyl) phthalate	<0.18	*3	0.18	0.067	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Butyl benzyl phthalate	<0.18	*3	0.18	0.070	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Carbazole	<0.18		0.18	0.092	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Chrysene	0.084	*3	0.037	0.010	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Dibenz(a,h)anthracene	<0.037	*3	0.037	0.0071	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Fluoranthene	0.065		0.037	0.0068	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Hexachlorobutadiene	<0.18		0.18	0.058	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Hexachlorocyclopentadiene	<0.74		0.74	0.21	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: SM-1(0-2)-012722

Lab Sample ID: 500-211525-11

Date Collected: 01/27/22 13:25

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.037	*3	0.037	0.0095	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Naphthalene	0.030	J	0.037	0.0057	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Phenanthrene	0.16		0.037	0.0051	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Phenol	<0.18		0.18	0.082	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Pyrene	0.17	*3	0.037	0.0073	mg/Kg	☼	02/05/22 07:54	02/07/22 19:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		31 - 143				02/05/22 07:54	02/07/22 19:44	1
2-Fluorobiphenyl (Surr)	105		43 - 145				02/05/22 07:54	02/07/22 19:44	1
2-Fluorophenol (Surr)	113		31 - 166				02/05/22 07:54	02/07/22 19:44	1
Nitrobenzene-d5 (Surr)	75		37 - 147				02/05/22 07:54	02/07/22 19:44	1
Phenol-d5 (Surr)	100		30 - 153				02/05/22 07:54	02/07/22 19:44	1
Terphenyl-d14 (Surr)	206	S1+ *3	42 - 157				02/05/22 07:54	02/07/22 19:44	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:10	02/08/22 19:56	1
Barium	0.14	J	0.50	0.050	mg/L		02/08/22 08:10	02/08/22 19:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:10	02/08/22 19:56	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		02/08/22 08:10	02/08/22 19:56	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:56	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:56	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:56	1
Iron	<0.40		0.40	0.20	mg/L		02/08/22 08:10	02/08/22 19:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/22 08:10	02/08/22 19:56	1
Manganese	1.0		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:56	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:56	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:10	02/08/22 19:56	1
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 19:56	1
Zinc	0.046	J	0.50	0.020	mg/L		02/08/22 08:10	02/08/22 19:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		02/08/22 08:13	02/09/22 13:36	1
Barium	<0.50		0.50	0.050	mg/L		02/08/22 08:13	02/09/22 13:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:13	02/09/22 13:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:13	02/09/22 13:36	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:36	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:36	1
Copper	0.011	J	0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:36	1
Iron	5.8		0.40	0.20	mg/L		02/08/22 08:13	02/09/22 13:36	1
Lead	0.033		0.0075	0.0075	mg/L		02/08/22 08:13	02/09/22 13:36	1
Manganese	0.15		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:36	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:36	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:13	02/09/22 13:36	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: SM-1(0-2)-012722

Lab Sample ID: 500-211525-11

Date Collected: 01/27/22 13:25

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:36	1
Zinc	0.081	J	0.50	0.020	mg/L		02/08/22 08:13	02/09/22 13:36	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5600		10	4.2	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Antimony	0.39	J	1.0	0.20	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Arsenic	6.4		0.52	0.18	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Barium	64		0.52	0.059	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Beryllium	0.79		0.21	0.048	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Cadmium	0.095	J B	0.10	0.019	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Calcium	16000	B	10	1.8	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Chromium	8.8		0.52	0.26	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Cobalt	4.3		1.3	0.34	mg/Kg	☆	02/05/22 16:26	02/08/22 14:10	5
Copper	10		0.52	0.14	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Iron	15000	B	10	5.4	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Lead	27		0.26	0.12	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Magnesium	5800	B	5.2	2.6	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Manganese	170	B	0.52	0.075	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Nickel	9.2		0.52	0.15	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Potassium	630		26	9.1	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Selenium	<0.52		0.52	0.30	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Silver	0.17	J	0.26	0.067	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Sodium	710		52	7.7	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Thallium	<0.52		0.52	0.26	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Vanadium	14		0.26	0.061	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1
Zinc	44		1.0	0.45	mg/Kg	☆	02/05/22 16:26	02/07/22 18:57	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 10:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	J	0.017	0.0056	mg/Kg	☆	02/04/22 14:20	02/07/22 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			02/01/22 19:29	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: SM-2(0-2)-012722

Lab Sample ID: 500-211525-12

Date Collected: 01/27/22 13:20

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0087	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Benzene	<0.0020		0.0020	0.00051	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Bromodichloromethane	<0.0020		0.0020	0.00041	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Bromoform	<0.0020		0.0020	0.00058	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Bromomethane	<0.0050	*+	0.0050	0.0019	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Carbon disulfide	<0.0050	*-	0.0050	0.0010	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Carbon tetrachloride	<0.0020		0.0020	0.00058	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Chlorobenzene	<0.0020		0.0020	0.00074	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Chloroethane	<0.0050		0.0050	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Chloroform	<0.0020		0.0020	0.00069	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Chloromethane	<0.0050		0.0050	0.0020	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00056	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Dibromochloromethane	<0.0020		0.0020	0.00065	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
1,1-Dichloroethane	<0.0020		0.0020	0.00068	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
1,2-Dichloroethane	<0.0050		0.0050	0.0016	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
1,1-Dichloroethene	<0.0020		0.0020	0.00069	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00070	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Ethylbenzene	<0.0020		0.0020	0.00095	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Methylene Chloride	<0.0050		0.0050	0.0020	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0022	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
methyl isobutyl ketone	<0.0050		0.0050	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00059	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Styrene	<0.0020		0.0020	0.00060	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00064	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Tetrachloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Toluene	<0.0020		0.0020	0.00050	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00088	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00070	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00086	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Trichloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Vinyl chloride	<0.0020		0.0020	0.00088	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1
Xylenes, Total	<0.0040		0.0040	0.00064	mg/Kg	☼	01/27/22 17:43	02/03/22 20:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		75 - 131	01/27/22 17:43	02/03/22 20:45	1
Dibromofluoromethane (Surr)	110		75 - 126	01/27/22 17:43	02/03/22 20:45	1
1,2-Dichloroethane-d4 (Surr)	82		70 - 134	01/27/22 17:43	02/03/22 20:45	1
Toluene-d8 (Surr)	87		75 - 124	01/27/22 17:43	02/03/22 20:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	02/05/22 07:54	02/06/22 00:43	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	02/05/22 07:54	02/06/22 00:43	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	02/05/22 07:54	02/06/22 00:43	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☼	02/05/22 07:54	02/06/22 00:43	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	02/05/22 07:54	02/06/22 00:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: SM-2(0-2)-012722

Lab Sample ID: 500-211525-12

Date Collected: 01/27/22 13:20

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.084	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
2-Methylnaphthalene	<0.075		0.075	0.0068	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Benzo[a]anthracene	<0.037		0.037	0.0050	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Benzo[a]pyrene	<0.037	*3	0.037	0.0072	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Benzo[b]fluoranthene	<0.037	*3	0.037	0.0080	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Benzo[g,h,i]perylene	<0.037	*3	0.037	0.012	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Benzo[k]fluoranthene	<0.037	*3	0.037	0.011	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Carbazole	<0.19		0.19	0.092	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Chrysene	<0.037		0.037	0.010	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Dibenz(a,h)anthracene	<0.037	*3	0.037	0.0071	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Fluoranthene	<0.037		0.037	0.0069	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	✳	02/05/22 07:54	02/06/22 00:43	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: SM-2(0-2)-012722

Lab Sample ID: 500-211525-12

Date Collected: 01/27/22 13:20

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.037	*3	0.037	0.0096	mg/Kg	☼	02/05/22 07:54	02/06/22 00:43	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	02/05/22 07:54	02/06/22 00:43	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	02/05/22 07:54	02/06/22 00:43	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	02/05/22 07:54	02/06/22 00:43	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	02/05/22 07:54	02/06/22 00:43	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	02/05/22 07:54	02/06/22 00:43	1
Pentachlorophenol	<0.75		0.75	0.59	mg/Kg	☼	02/05/22 07:54	02/06/22 00:43	1
Phenanthrene	<0.037		0.037	0.0052	mg/Kg	☼	02/05/22 07:54	02/06/22 00:43	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	02/05/22 07:54	02/06/22 00:43	1
Pyrene	<0.037		0.037	0.0073	mg/Kg	☼	02/05/22 07:54	02/06/22 00:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		31 - 143				02/05/22 07:54	02/06/22 00:43	1
2-Fluorobiphenyl (Surr)	77		43 - 145				02/05/22 07:54	02/06/22 00:43	1
2-Fluorophenol (Surr)	77		31 - 166				02/05/22 07:54	02/06/22 00:43	1
Nitrobenzene-d5 (Surr)	69		37 - 147				02/05/22 07:54	02/06/22 00:43	1
Phenol-d5 (Surr)	75		30 - 153				02/05/22 07:54	02/06/22 00:43	1
Terphenyl-d14 (Surr)	115		42 - 157				02/05/22 07:54	02/06/22 00:43	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:10	02/08/22 20:00	1
Barium	<0.50		0.50	0.050	mg/L		02/08/22 08:10	02/08/22 20:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:10	02/08/22 20:00	1
Cadmium	0.0033	J	0.0050	0.0020	mg/L		02/08/22 08:10	02/08/22 20:00	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 20:00	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 20:00	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 20:00	1
Iron	<0.40		0.40	0.20	mg/L		02/08/22 08:10	02/08/22 20:00	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/22 08:10	02/08/22 20:00	1
Manganese	1.4		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 20:00	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 20:00	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:10	02/08/22 20:00	1
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:10	02/08/22 20:00	1
Zinc	0.026	J	0.50	0.020	mg/L		02/08/22 08:10	02/08/22 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:13	02/09/22 13:39	1
Barium	<0.50		0.50	0.050	mg/L		02/08/22 08:13	02/09/22 13:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:13	02/09/22 13:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:13	02/09/22 13:39	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:39	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:39	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:39	1
Iron	7.8		0.40	0.20	mg/L		02/08/22 08:13	02/09/22 13:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/22 08:13	02/09/22 13:39	1
Manganese	0.14		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:39	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:39	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:13	02/09/22 13:39	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Client Sample ID: SM-2(0-2)-012722

Lab Sample ID: 500-211525-12

Date Collected: 01/27/22 13:20

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:13	02/09/22 13:39	1
Zinc	0.042	J	0.50	0.020	mg/L		02/08/22 08:13	02/09/22 13:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1500		11	4.7	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Antimony	0.35	J	1.1	0.22	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Arsenic	2.2		0.57	0.19	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Barium	5.4		0.57	0.065	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Beryllium	0.13	J	0.23	0.053	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Cadmium	0.11	B	0.11	0.021	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Calcium	7600	B	11	1.9	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Chromium	3.1		0.57	0.28	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Cobalt	2.4		0.29	0.075	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Copper	1.6		0.57	0.16	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Iron	4200	B	11	5.9	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Lead	2.9		0.29	0.13	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Magnesium	4600	B	5.7	2.8	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Manganese	110	B	0.57	0.083	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Nickel	3.5		0.57	0.17	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Potassium	160		29	10	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Silver	0.11	J	0.29	0.074	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Sodium	210		57	8.4	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Thallium	<0.57		0.57	0.28	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Vanadium	5.5		0.29	0.067	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1
Zinc	13		1.1	0.50	mg/Kg	☆	02/05/22 16:26	02/07/22 19:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 11:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 10:22	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0063	J	0.019	0.0063	mg/Kg	☆	02/04/22 14:20	02/07/22 09:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.2	0.2	SU			02/01/22 19:31	1

Definitions/Glossary

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Glossary (Continued)

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

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211525-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-22

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Chain of Custody Record

542616




Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: A. Sese		Site Contact: T. Oberman		Date: 1/27		COC No	
Company Name: WESTON SOLUTIONS		Tel/Email		Lab Contact: B. Wright		Carrier		2 of COCs	
Address: 300 Middleborough Pkwy		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____		Filtered Sample (Y/N)		Perform MS/MSD (Y/N)		500-211525 COC	
City/State/Zip: Hampshire 1h 00089									
Phone: 224-664-7201		<input type="checkbox"/> 2 weeks		VOCs SVOCs Total Metals TCLP/SPLP Metals PH				Sampler	
Fax		<input type="checkbox"/> 1 week						For Lab Use Only	
Project Name: 1DOT 033		<input type="checkbox"/> 2 days						Walk in Client	
Site		<input type="checkbox"/> 1 day						Lab Sampling	
P O #								Job / SDG No 500-211525	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes		
11B	PM-1(0-2)012722	1/27/22	1435	G	S	5	X	X	X
21A	PM-1(0-2)012722D		1425	G					
315	PM-2(0-2)012722		1425	G					
416	PM-3(0-2)012722		1420	G					
517	PM-4(0-2)012722		1415	G					
618	PM-5(0-2)012722		1405	G					
719	PM-6(0-2)012722		1400	G					
820	PM-7(0-2)012722		1350	G					
921	PL-1(0-2)012722		1340	G					
1022	PL-2(0-2)012722		1335	G					
11	SM-1(0-2)012722		1325	G	↓				
12	SM-2(0-2)012722		1320	G	↓				
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.							<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months		
<input checked="" type="checkbox"/> Non Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown									
Special Instructions/QC Requirements & Comments: includes TCLP/SPLP Mn + Fe									
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: Stephane Hernandez		Company: Weston		Date/Time: 1/27/22 1540		Received by:		Company:	
Relinquished by:		Company:		Date/Time:		Received by:		Company:	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: Stephane Hernandez		Company: EETA	
								Date/Time: 1/27/22 1540	



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: FAU 3592 - Brainard Ave, Burnham Office Phone Number, if available: _____

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

13800-14200 blocks of S. Brainard Avenue (Site 4230-58)

City: Burnham State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.63923 Longitude: - 87.53329
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 2,421

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 W. Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: _____

Contact: Irma Romiti-Johnson

Email, if available: Irma.Romiti-Johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 W. Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: _____

Contact: Irma Romiti-Johnson

Email, if available: Irma.Romiti-Johnson@illinois.gov

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

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS MN-3 THROUGH MN-5 AND MN-7 THROUGH MN-11 WERE SAMPLED ADJACENT TO SITE 4230-58. SEE FIGURES 3-2 THROUGH 3-5 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

TESTAMERICA ANALYTICAL REPORT - JOB ID: 500-211523-1.
ALSO SEE FIGURES 4-2 THROUGH 4-5 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

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

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

5/5/2022
Date:



P.E or L.P.G. Seal:

Summary Table of Site 4230-58
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 3592 - Brainard Avenue from Muskegon Avenue to State Line
Chicago and Burnham, Cook County, Illinois

Location	MN-3	MN-4	MN-5	MN-7	MN-8	Soil Reference Concentrations
FieldSampleID	MN-3(0-2)-012722	MN-4(0-2)-012722	MN-5(0-2)-012722	MN-7(0-2)-012722	MN-8(0-2)-012722	
SampleDate_D	1/27/2022	1/27/2022	1/27/2022	1/27/2022	1/27/2022	
Site No.	4230-58	4230-58	4230-58	4230-58	4230-58	
Laboratory pH	8.6	8.1	8.9	7.9	8.0	<6.25,>9.0
VOCs (mg/kg)						
2-Hexanone	ND	ND	ND	0.0062 J	ND	---
4-Methyl-2-pentanone	ND	ND	ND	0.0037 J	ND	---
Carbon disulfide	ND	ND	ND	ND	ND	9
Trichloroethene	ND	ND	ND	ND	0.0013 J	0.06
SVOCS (mg/kg)						
2-Methylnaphthalene	0.01 J	0.08 J	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	ND	570
Acenaphthylene	0.0054 J	ND	ND	ND	ND	---
Anthracene	0.0078 J	0.0088 J	ND	ND	ND	12000
Benzo(a)anthracene	0.037 J	0.017 J	0.015 J	0.019 J	0.0059 J	0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.048 J	0.015 J	0.015 J	0.027 J	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.083 J	0.026 J	0.026 J	0.058 J	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.024 J	ND	ND	ND	ND	---
Benzo(k)fluoranthene	0.029 J	ND	ND	0.019 J	ND	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	46
Chrysene	0.053 J	0.023 J	0.022 J	0.029 J	ND	88
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	ND	ND	---
Fluoranthene	0.053 J	0.027 J	0.018 J	0.039 J	0.012 J	3100
Fluorene	ND	ND	ND	ND	ND	560
Indeno(1,2,3-cd)pyrene	0.022 J	ND	ND	ND	ND	0.9 / 0.9 / 1.6
Naphthalene	0.0074 J	0.028 J	ND	ND	ND	1.8
Phenanthrene	0.037 J	0.088 J	0.024 J	0.0096 J	0.0098 J	---
Pyrene	0.075 J	0.032 J	0.033 J	0.029 J	0.013 J	2300
Total Metals (mg/kg)						
Aluminum, Total	2300	2000	2800	2200	1800	---
Antimony, Total	0.45 J	0.32 J	0.24 J	0.34 J	0.31 J	5
Arsenic, Total	2.5	3.9	4.1	3.1	3	11.3 / 13
Barium, Total	19	13	25	25	10	1500
Beryllium, Total	0.25	0.25	0.37	0.22 J	0.16 J	22
Cadmium, Total	0.17 J	ND	ND	ND	ND	5.2
Calcium, Total	10000 B	9100 B	20000 B	4600 B	14000 B	---
Chromium, Total	6.6	4.2	5.2	7	4.3	21
Cobalt, Total	2	2.1	3.1	2	1.8	20
Copper, Total	6.1	6.2	5.9	7.7	5.6	2900
Iron, Total	5100	6100	6200	6900	4600	15000 / 15900
Lead, Total	32	6.1	9.6	16	6.3	107
Magnesium, Total	5300	4900	9300	2300	7700	325000
Manganese, Total	390	77	240	130	110	630 / 636
Mercury, Total	0.011 J	0.011 J	0.012 J	0.021	0.011 J	0.89
Nickel, Total	4.2	4.6	6	3.3	3.3	100
Potassium, Total	230 B	190 B	210 B	140 B	150 B	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Silver, Total	0.077 J	0.11 J	0.11 J	0.088 J	ND	4.4
Sodium, Total	200 B	290 B	210 B	140 B	ND	---
Thallium, Total	ND	ND	ND	ND	ND	2.6
Vanadium, Total	10	8.2	8.5	9.6	9.2	550
Zinc, Total	32	31	22	27	17	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.15 J	0.14 J	0.12 J	0.15 J	0.13 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	0.017	0.02	0.012	ND	ND	0.0075
Manganese, TCLP	3.6	0.64	1.3	1.4	1.2	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	ND	ND	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	ND	ND	ND	ND	5
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.076 J	ND	ND	ND	ND	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.034	ND	ND	ND	ND	0.1
Cobalt, SPLP	ND	ND	ND	ND	ND	1
Copper, SPLP	0.041	ND	0.011 J	ND	ND	0.65
Iron, SPLP	17	2 J	4.6	5.7	2.3	5
Lead, SPLP	0.12	ND	0.014	0.015	0.0079	0.0075
Manganese, SPLP	0.68	0.029	0.094	0.14	0.056	0.15
Mercury, SPLP	ND	ND	ND	ND	0.00078	0.002
Nickel, SPLP	0.014 J	ND	ND	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.17 J	0.034 J	0.034 J	0.12 J	0.041 J	5

Summary Table of Site 4230-58 (Continued)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAU 3592 - Brainard Avenue from Muskegon Avenue to State Line
Chicago and Burnham, Cook County, Illinois

Location	MN-9	MN-10	MN-10	MN-11	Soil Reference Concentrations
Field Sample ID	MN-9(0-2)-012722	MN-10(0-2)-012722	MN-10(0-2)-012722D	MN-11(0-2)-012722	
Sample Date	1/27/2022	1/27/2022	1/27/2022	1/27/2022	
Site No.	4230-58	4230-58	4230-58	4230-58	
Laboratory pH	7.7	8.8	8.9	8.2	<6.25,>9.0
VOCs (mg/kg)					
2-Hexanone	ND	ND	ND	ND	---
4-Methyl-2-pentanone	ND	ND	ND	ND	---
Carbon disulfide	ND	ND	ND	0.0042 J	9
Trichloroethene	ND	ND	ND	ND	0.06
SVOCs (mg/kg)					
2-Methylnaphthalene	ND	0.02 J	0.045 J	0.92 J	---
Acenaphthene	ND	0.0074 J	0.015 J	ND	570
Acenaphthylene	ND	0.015 J	0.016 J	ND	---
Anthracene	0.016 J	0.051 J	0.054 J	0.054 J	12000
Benzo(a)anthracene	0.046 J	0.29 J	0.29 J	0.25 J	0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.051 J	0.41 J	0.37 J	0.35 J	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.086 J	0.72 J	0.56 J	0.66 J	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.026 J	0.09 J	0.13 J	0.13 J	---
Benzo(k)fluoranthene	0.038 J	0.26 J	0.2 J	0.22 J	9
bis(2-Ethylhexyl)phthalate	ND	ND	ND	0.71 J	46
Chrysene	0.06 J	0.32 J	0.34 J	0.32 J	88
Dibenzo(a,h)anthracene	ND	0.039 J	0.048 J	0.027 J	0.09 / 0.2 / 0.42
Dibenzofuran	ND	ND	ND	0.15 J	---
Fluoranthene	0.11 J	0.59 J	0.32 J	0.44 J	3100
Fluorene	ND	0.011 J	0.014 J	ND	560
Indeno(1,2,3-cd)pyrene	0.025 J	0.11 J	0.15 J	0.12 J	0.9 / 0.9 / 1.6
Naphthalene	ND	0.019 J	0.036 J	0.18 J	1.8
Phenanthrene	0.049 J	0.23 J	0.24 J	0.95 J	---
Pyrene	0.11 J	0.63 J	0.33 J	0.77 J	2300
Total Metals (mg/kg)					
Aluminum, Total	2700	2800 B	2900 B	10000 B	---
Antimony, Total	0.41 J	0.59 J	0.68 J	0.61 J	5
Arsenic, Total	7.5	3.5	4.1	8.5	11.3 / 13
Barium, Total	20	32 B	36 B	86 B	1500
Beryllium, Total	0.3	0.32	0.32	1.7	22
Cadmium, Total	0.16 J	0.54 J	0.59 B	0.47 J	5.2
Calcium, Total	12000 B	14000 B	14000 B	48000 B	---
Chromium, Total	5	8	8.5	26	21
Cobalt, Total	2.4	2.6	3.2	5.8	20
Copper, Total	11	23	28	28	2900
Iron, Total	7700	7300 B	8900 B	22000 B	15000 / 15900
Lead, Total	13	96	95	28	107
Magnesium, Total	5700	7900 B	8200 B	19000 B	325000
Manganese, Total	140	190 B	170 B	450 B	630 / 636
Mercury, Total	0.025	0.082 J	0.038 J	0.038	0.89
Nickel, Total	5	6.9	8	21	100
Potassium, Total	200 B	350	350	1000	---
Selenium, Total	ND	ND	ND	0.48 J	1.3
Silver, Total	0.097 J	0.12 J	0.1 J	0.22 J	4.4
Sodium, Total	250 B	640 B	680 B	1500 B	---
Thallium, Total	ND	ND	ND	0.5 J	2.6
Vanadium, Total	11	11	13	18	550
Zinc, Total	29	69	100	200	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.16 J	0.27 J	0.27 J	0.37 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	0.0037 J	0.0043 J	0.0031 J	0.005
Chromium, TCLP	ND	ND	ND	ND	0.1
Cobalt, TCLP	ND	ND	ND	0.018 J	1
Copper, TCLP	ND	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	ND	5
Lead, TCLP	0.023	0.044	0.034	ND	0.0075
Manganese, TCLP	1.4	1.6	1.4	3.2	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	0.01 J	ND	0.053	0.1
Selenium, TCLP	ND	ND	ND	ND	0.05
Silver, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	ND	0.5 J	ND	1.3 B	5
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	0.021 J	0.021 J	ND	0.05
Barium, SPLP	ND	0.33 J	0.3 J	ND	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	0.0021 J	0.0023 J	ND	0.005
Chromium, SPLP	ND	0.075	0.069	ND	0.1
Cobalt, SPLP	ND	0.014 J	0.012 J	ND	1
Copper, SPLP	ND	0.16	0.15	0.015 J	0.65
Iron, SPLP	3	50	46	1.7	5
Lead, SPLP	0.014	0.45	0.43	0.017	0.0075
Manganese, SPLP	0.079	0.72	0.59	0.079	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	ND	0.055	0.05	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	0.05
Silver, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	0.038 J	0.51	0.52	0.07 J	5

Notes:
--- - not applicable or value not available.
ND - Constituent not detected above the reporting limit.
B - Compound was found in the blank and the investigative sample.
J - Estimated concentration.
Shaded values indicate concentration exceeds Reference Concentration.

ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-211523-1

Client Project/Site: IDOT - Chicago and Burnham - WO 033

For:

Weston Solutions, Inc.
300 Knightsbridge Parkway
Suite 360
Lincolnshire, Illinois 60069

Attn: Mr. Andris Slesers



Authorized for release by:
2/10/2022 11:31:25 AM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-3(0-2)-012722

Lab Sample ID: 500-211523-3

Date Collected: 01/27/22 11:50

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0083	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Carbon disulfide	<0.0048		0.0048	0.0010	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Chlorobenzene	<0.0019		0.0019	0.00071	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Chloroethane	<0.0048	*	0.0048	0.0014	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Chloroform	<0.0019		0.0019	0.00067	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00054	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
1,2-Dichloropropane	<0.0019		0.0019	0.00050	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00067	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Ethylbenzene	<0.0019		0.0019	0.00092	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0021	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00056	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00061	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Tetrachloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Toluene	<0.0019		0.0019	0.00048	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00085	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00067	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00082	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Vinyl chloride	<0.0019		0.0019	0.00085	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1
Xylenes, Total	<0.0038		0.0038	0.00061	mg/Kg	☼	01/27/22 17:43	02/03/22 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		75 - 131	01/27/22 17:43	02/03/22 18:32	1
Dibromofluoromethane (Surr)	117		75 - 126	01/27/22 17:43	02/03/22 18:32	1
1,2-Dichloroethane-d4 (Surr)	116		70 - 134	01/27/22 17:43	02/03/22 18:32	1
Toluene-d8 (Surr)	108		75 - 124	01/27/22 17:43	02/03/22 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	02/04/22 18:16	02/05/22 23:38	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	02/04/22 18:16	02/05/22 23:38	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	02/04/22 18:16	02/05/22 23:38	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	02/04/22 18:16	02/05/22 23:38	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	02/04/22 18:16	02/05/22 23:38	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-3(0-2)-012722

Lab Sample ID: 500-211523-3

Date Collected: 01/27/22 11:50

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.086	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
2-Methylnaphthalene	0.010	J	0.076	0.0069	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Acenaphthylene	0.0054	J	0.038	0.0050	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Anthracene	0.0078	J	0.038	0.0063	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Benzo[a]anthracene	0.037	J	0.038	0.0051	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Benzo[a]pyrene	0.048	*3	0.038	0.0073	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Benzo[b]fluoranthene	0.083	*3	0.038	0.0082	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Benzo[g,h,i]perylene	0.024	J *3	0.038	0.012	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Benzo[k]fluoranthene	0.029	J *3	0.038	0.011	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Chrysene	0.053		0.038	0.010	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Dibenz(a,h)anthracene	<0.038	*3	0.038	0.0073	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Fluoranthene	0.053		0.038	0.0070	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☆	02/04/22 18:16	02/05/22 23:38	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-3(0-2)-012722

Lab Sample ID: 500-211523-3

Date Collected: 01/27/22 11:50

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.022	J *3	0.038	0.0098	mg/Kg	☼	02/04/22 18:16	02/05/22 23:38	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	02/04/22 18:16	02/05/22 23:38	1
Naphthalene	0.0074	J	0.038	0.0058	mg/Kg	☼	02/04/22 18:16	02/05/22 23:38	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	02/04/22 18:16	02/05/22 23:38	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	02/04/22 18:16	02/05/22 23:38	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	02/04/22 18:16	02/05/22 23:38	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	02/04/22 18:16	02/05/22 23:38	1
Phenanthrene	0.037	J	0.038	0.0053	mg/Kg	☼	02/04/22 18:16	02/05/22 23:38	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	02/04/22 18:16	02/05/22 23:38	1
Pyrene	0.075		0.038	0.0075	mg/Kg	☼	02/04/22 18:16	02/05/22 23:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	79		31 - 143				02/04/22 18:16	02/05/22 23:38	1
2-Fluorobiphenyl (Surr)	75		43 - 145				02/04/22 18:16	02/05/22 23:38	1
2-Fluorophenol (Surr)	73		31 - 166				02/04/22 18:16	02/05/22 23:38	1
Nitrobenzene-d5 (Surr)	65		37 - 147				02/04/22 18:16	02/05/22 23:38	1
Phenol-d5 (Surr)	71		30 - 153				02/04/22 18:16	02/05/22 23:38	1
Terphenyl-d14 (Surr)	111		42 - 157				02/04/22 18:16	02/05/22 23:38	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:09	02/08/22 19:19	1
Barium	0.15	J	0.50	0.050	mg/L		02/08/22 08:09	02/08/22 19:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:09	02/09/22 12:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:09	02/08/22 19:19	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:19	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:19	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:19	1
Iron	<0.40		0.40	0.20	mg/L		02/08/22 08:09	02/08/22 19:19	1
Lead	0.017		0.0075	0.0075	mg/L		02/08/22 08:09	02/08/22 19:19	1
Manganese	3.6		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:19	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:19	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:09	02/08/22 19:19	1
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:19	1
Zinc	0.092	J B	0.50	0.020	mg/L		02/08/22 08:09	02/08/22 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:12	02/09/22 11:44	1
Barium	0.076	J	0.50	0.050	mg/L		02/08/22 08:12	02/09/22 11:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:12	02/09/22 11:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:12	02/09/22 11:44	1
Chromium	0.034		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 11:44	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 11:44	1
Copper	0.041		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 11:44	1
Iron	17		0.40	0.20	mg/L		02/08/22 08:12	02/09/22 11:44	1
Lead	0.12		0.0075	0.0075	mg/L		02/08/22 08:12	02/09/22 11:44	1
Manganese	0.68		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 11:44	1
Nickel	0.014	J	0.025	0.010	mg/L		02/08/22 08:12	02/09/22 11:44	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:12	02/09/22 11:44	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-3(0-2)-012722

Lab Sample ID: 500-211523-3

Date Collected: 01/27/22 11:50

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 11:44	1
Zinc	0.17	J	0.50	0.020	mg/L		02/08/22 08:12	02/09/22 11:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2300		11	4.6	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Antimony	0.45	J	1.1	0.22	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Arsenic	2.5		0.56	0.19	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Barium	19		0.56	0.064	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Beryllium	0.25		0.22	0.052	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Cadmium	0.17	B	0.11	0.020	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Calcium	10000	B	11	1.9	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Chromium	6.6		0.56	0.28	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Cobalt	2.0		0.28	0.073	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Copper	6.1		0.56	0.16	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Iron	5100		11	5.8	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Lead	32		0.28	0.13	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Magnesium	5300		5.6	2.8	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Manganese	390		0.56	0.081	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Nickel	4.2		0.56	0.16	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Potassium	230	B	28	9.9	mg/Kg	☆	02/04/22 03:13	02/07/22 16:55	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Silver	0.077	J	0.28	0.072	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Sodium	200	B	56	8.3	mg/Kg	☆	02/04/22 03:13	02/07/22 16:55	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Vanadium	10		0.28	0.066	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1
Zinc	32		1.1	0.49	mg/Kg	☆	02/04/22 03:13	02/04/22 18:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/07/22 11:00	02/08/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 08:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.017	0.0058	mg/Kg	☆	02/03/22 13:50	02/04/22 07:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			02/01/22 18:23	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-4(0-2)-012722

Lab Sample ID: 500-211523-4

Date Collected: 01/27/22 11:55

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 78.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.021		0.021	0.0093	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Benzene	<0.0021		0.0021	0.00055	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Bromodichloromethane	<0.0021		0.0021	0.00044	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Bromoform	<0.0021		0.0021	0.00063	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Bromomethane	<0.0054		0.0054	0.0020	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Carbon disulfide	<0.0054		0.0054	0.0011	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Carbon tetrachloride	<0.0021		0.0021	0.00062	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Chlorobenzene	<0.0021		0.0021	0.00079	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Chloroethane	<0.0054	*	0.0054	0.0016	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Chloroform	<0.0021		0.0021	0.00074	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Chloromethane	<0.0054		0.0054	0.0022	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
cis-1,2-Dichloroethene	<0.0021		0.0021	0.00060	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
cis-1,3-Dichloropropene	<0.0021		0.0021	0.00065	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Dibromochloromethane	<0.0021		0.0021	0.00070	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
1,1-Dichloroethane	<0.0021		0.0021	0.00073	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
1,2-Dichloroethane	<0.0054		0.0054	0.0017	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
1,1-Dichloroethene	<0.0021		0.0021	0.00074	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
1,2-Dichloropropane	<0.0021		0.0021	0.00055	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
1,3-Dichloropropene, Total	<0.0021		0.0021	0.00075	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Ethylbenzene	<0.0021		0.0021	0.0010	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
2-Hexanone	<0.0054		0.0054	0.0017	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Methylene Chloride	<0.0054		0.0054	0.0021	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Methyl Ethyl Ketone	<0.0054		0.0054	0.0024	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
methyl isobutyl ketone	<0.0054		0.0054	0.0016	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Methyl tert-butyl ether	<0.0021		0.0021	0.00063	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Styrene	<0.0021		0.0021	0.00065	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
1,1,2,2-Tetrachloroethane	<0.0021		0.0021	0.00068	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Tetrachloroethene	<0.0021		0.0021	0.00073	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Toluene	<0.0021		0.0021	0.00054	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
trans-1,2-Dichloroethene	<0.0021		0.0021	0.00095	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
trans-1,3-Dichloropropene	<0.0021		0.0021	0.00075	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
1,1,1-Trichloroethane	<0.0021		0.0021	0.00072	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
1,1,2-Trichloroethane	<0.0021		0.0021	0.00092	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Trichloroethene	<0.0021		0.0021	0.00072	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Vinyl chloride	<0.0021		0.0021	0.00095	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1
Xylenes, Total	<0.0043		0.0043	0.00069	mg/Kg	✳	01/27/22 17:43	02/03/22 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		75 - 131	01/27/22 17:43	02/03/22 18:58	1
Dibromofluoromethane (Surr)	121		75 - 126	01/27/22 17:43	02/03/22 18:58	1
1,2-Dichloroethane-d4 (Surr)	118		70 - 134	01/27/22 17:43	02/03/22 18:58	1
Toluene-d8 (Surr)	104		75 - 124	01/27/22 17:43	02/03/22 18:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
1,4-Dichlorobenzene	<0.21		0.21	0.053	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.048	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-4(0-2)-012722

Lab Sample ID: 500-211523-4

Date Collected: 01/27/22 11:55

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 78.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.094	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
2,4-Dichlorophenol	<0.41		0.41	0.098	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
2,6-Dinitrotoluene	<0.21		0.21	0.081	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
2-Methylnaphthalene	0.080	J	0.083	0.0076	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
3 & 4 Methylphenol	<0.21		0.21	0.069	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.058	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Anthracene	0.0088	J	0.041	0.0069	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Benzo[a]anthracene	0.017	J	0.041	0.0055	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Benzo[a]pyrene	0.015	J *3	0.041	0.0080	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Benzo[b]fluoranthene	0.026	J *3	0.041	0.0089	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Benzo[g,h,i]perylene	<0.041	*3	0.041	0.013	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Benzo[k]fluoranthene	<0.041	*3	0.041	0.012	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.062	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Carbazole	<0.21		0.21	0.10	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Chrysene	0.023	J	0.041	0.011	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Dibenz(a,h)anthracene	<0.041	*3	0.041	0.0080	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Diethyl phthalate	<0.21		0.21	0.070	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Dimethyl phthalate	<0.21		0.21	0.054	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Di-n-butyl phthalate	<0.21		0.21	0.063	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Fluoranthene	0.027	J	0.041	0.0076	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Hexachlorobutadiene	<0.21		0.21	0.065	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1
Hexachloroethane	<0.21		0.21	0.063	mg/Kg	✳	02/04/22 18:16	02/05/22 23:59	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-4(0-2)-012722

Lab Sample ID: 500-211523-4

Date Collected: 01/27/22 11:55

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 78.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.041	*3	0.041	0.011	mg/Kg	☼	02/04/22 18:16	02/05/22 23:59	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	02/04/22 18:16	02/05/22 23:59	1
Naphthalene	0.028	J	0.041	0.0063	mg/Kg	☼	02/04/22 18:16	02/05/22 23:59	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	02/04/22 18:16	02/05/22 23:59	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	02/04/22 18:16	02/05/22 23:59	1
N-Nitrosodiphenylamine	<0.21		0.21	0.049	mg/Kg	☼	02/04/22 18:16	02/05/22 23:59	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	02/04/22 18:16	02/05/22 23:59	1
Phenanthrene	0.088		0.041	0.0057	mg/Kg	☼	02/04/22 18:16	02/05/22 23:59	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	02/04/22 18:16	02/05/22 23:59	1
Pyrene	0.032	J	0.041	0.0082	mg/Kg	☼	02/04/22 18:16	02/05/22 23:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		31 - 143				02/04/22 18:16	02/05/22 23:59	1
2-Fluorobiphenyl (Surr)	76		43 - 145				02/04/22 18:16	02/05/22 23:59	1
2-Fluorophenol (Surr)	73		31 - 166				02/04/22 18:16	02/05/22 23:59	1
Nitrobenzene-d5 (Surr)	66		37 - 147				02/04/22 18:16	02/05/22 23:59	1
Phenol-d5 (Surr)	75		30 - 153				02/04/22 18:16	02/05/22 23:59	1
Terphenyl-d14 (Surr)	122		42 - 157				02/04/22 18:16	02/05/22 23:59	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:09	02/08/22 19:23	1
Barium	0.14	J	0.50	0.050	mg/L		02/08/22 08:09	02/08/22 19:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:09	02/09/22 12:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:09	02/08/22 19:23	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:23	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:23	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:23	1
Iron	<0.40		0.40	0.20	mg/L		02/08/22 08:09	02/08/22 19:23	1
Lead	0.020		0.0075	0.0075	mg/L		02/08/22 08:09	02/08/22 19:23	1
Manganese	0.64		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:23	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:23	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:09	02/08/22 19:23	1
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:23	1
Zinc	0.20	J B	0.50	0.020	mg/L		02/08/22 08:09	02/08/22 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:12	02/09/22 11:47	1
Barium	<0.50		0.50	0.050	mg/L		02/08/22 08:12	02/09/22 11:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:12	02/09/22 11:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:12	02/09/22 11:47	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 11:47	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 11:47	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 11:47	1
Iron	2.0	F1	0.40	0.20	mg/L		02/08/22 08:12	02/09/22 11:47	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/22 08:12	02/09/22 11:47	1
Manganese	0.029		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 11:47	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 11:47	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:12	02/09/22 11:47	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-4(0-2)-012722

Lab Sample ID: 500-211523-4

Date Collected: 01/27/22 11:55

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 78.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 11:47	1
Zinc	0.034	J	0.50	0.020	mg/L		02/08/22 08:12	02/09/22 11:47	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2000		12	4.9	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Antimony	0.32	J	1.2	0.24	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Arsenic	3.9		0.61	0.21	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Barium	13		0.61	0.069	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Beryllium	0.25		0.24	0.057	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Cadmium	0.097	J B	0.12	0.022	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Calcium	9100	B	12	2.1	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Chromium	4.2		0.61	0.30	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Cobalt	2.1		0.30	0.079	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Copper	6.2		0.61	0.17	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Iron	6100		12	6.3	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Lead	6.1		0.30	0.14	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Magnesium	4900		6.1	3.0	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Manganese	77		0.61	0.088	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Nickel	4.6		0.61	0.18	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Potassium	190	B	30	11	mg/Kg	☆	02/04/22 03:13	02/07/22 17:05	1
Selenium	<0.61		0.61	0.36	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Silver	0.11	J	0.30	0.078	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Sodium	290	B	61	9.0	mg/Kg	☆	02/04/22 03:13	02/07/22 17:05	1
Thallium	<0.61		0.61	0.30	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Vanadium	8.2		0.30	0.071	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1
Zinc	31		1.2	0.53	mg/Kg	☆	02/04/22 03:13	02/04/22 18:31	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/07/22 11:00	02/08/22 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 08:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.019	0.0063	mg/Kg	☆	02/03/22 13:50	02/04/22 07:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			02/01/22 18:28	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-5(0-2)-012722

Lab Sample ID: 500-211523-5

Date Collected: 01/27/22 12:05

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0082	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Benzene	<0.0019		0.0019	0.00048	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Bromoform	<0.0019		0.0019	0.00055	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Bromomethane	<0.0047		0.0047	0.0018	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Carbon disulfide	<0.0047		0.0047	0.00098	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Carbon tetrachloride	<0.0019		0.0019	0.00055	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Chlorobenzene	<0.0019		0.0019	0.00069	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Chloroethane	<0.0047	*-	0.0047	0.0014	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Chloroform	<0.0019		0.0019	0.00065	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Chloromethane	<0.0047		0.0047	0.0019	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00053	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00057	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Dibromochloromethane	<0.0019		0.0019	0.00062	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
1,2-Dichloroethane	<0.0047		0.0047	0.0015	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
1,1-Dichloroethene	<0.0019		0.0019	0.00065	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
1,2-Dichloropropane	<0.0019		0.0019	0.00049	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00066	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Ethylbenzene	<0.0019		0.0019	0.00090	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Methylene Chloride	<0.0047		0.0047	0.0019	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Methyl Ethyl Ketone	<0.0047		0.0047	0.0021	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
methyl isobutyl ketone	<0.0047		0.0047	0.0014	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Styrene	<0.0019		0.0019	0.00057	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00060	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Tetrachloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Toluene	<0.0019		0.0019	0.00048	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00083	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00066	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00063	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00081	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Trichloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Vinyl chloride	<0.0019		0.0019	0.00083	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1
Xylenes, Total	<0.0038		0.0038	0.00060	mg/Kg	☼	01/27/22 17:43	02/04/22 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		75 - 131	01/27/22 17:43	02/04/22 14:37	1
Dibromofluoromethane (Surr)	121		75 - 126	01/27/22 17:43	02/04/22 14:37	1
1,2-Dichloroethane-d4 (Surr)	126		70 - 134	01/27/22 17:43	02/04/22 14:37	1
Toluene-d8 (Surr)	113		75 - 124	01/27/22 17:43	02/04/22 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	02/04/22 18:16	02/06/22 00:21	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	02/04/22 18:16	02/06/22 00:21	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	02/04/22 18:16	02/06/22 00:21	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	02/04/22 18:16	02/06/22 00:21	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	02/04/22 18:16	02/06/22 00:21	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-5(0-2)-012722

Lab Sample ID: 500-211523-5

Date Collected: 01/27/22 12:05

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
2,4-Dichlorophenol	<0.37		0.37	0.090	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Benzo[a]anthracene	0.015	J	0.037	0.0051	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Benzo[a]pyrene	0.015	J *3	0.037	0.0073	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Benzo[b]fluoranthene	0.026	J *3	0.037	0.0081	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Benzo[g,h,i]perylene	<0.037	*3	0.037	0.012	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Benzo[k]fluoranthene	<0.037	*3	0.037	0.011	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Chrysene	0.022	J	0.037	0.010	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Dibenz(a,h)anthracene	<0.037	*3	0.037	0.0073	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Fluoranthene	0.018	J	0.037	0.0070	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	02/04/22 18:16	02/06/22 00:21	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-5(0-2)-012722

Lab Sample ID: 500-211523-5

Date Collected: 01/27/22 12:05

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.037	*3	0.037	0.0098	mg/Kg	☼	02/04/22 18:16	02/06/22 00:21	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	02/04/22 18:16	02/06/22 00:21	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	02/04/22 18:16	02/06/22 00:21	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	02/04/22 18:16	02/06/22 00:21	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	02/04/22 18:16	02/06/22 00:21	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	02/04/22 18:16	02/06/22 00:21	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	02/04/22 18:16	02/06/22 00:21	1
Phenanthrene	0.024	J	0.037	0.0053	mg/Kg	☼	02/04/22 18:16	02/06/22 00:21	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	02/04/22 18:16	02/06/22 00:21	1
Pyrene	0.033	J	0.037	0.0075	mg/Kg	☼	02/04/22 18:16	02/06/22 00:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	77		31 - 143				02/04/22 18:16	02/06/22 00:21	1
2-Fluorobiphenyl (Surr)	75		43 - 145				02/04/22 18:16	02/06/22 00:21	1
2-Fluorophenol (Surr)	69		31 - 166				02/04/22 18:16	02/06/22 00:21	1
Nitrobenzene-d5 (Surr)	63		37 - 147				02/04/22 18:16	02/06/22 00:21	1
Phenol-d5 (Surr)	68		30 - 153				02/04/22 18:16	02/06/22 00:21	1
Terphenyl-d14 (Surr)	124		42 - 157				02/04/22 18:16	02/06/22 00:21	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:09	02/08/22 19:26	1
Barium	0.12	J	0.50	0.050	mg/L		02/08/22 08:09	02/08/22 19:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:09	02/09/22 12:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:09	02/08/22 19:26	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:26	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:26	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:26	1
Iron	<0.40		0.40	0.20	mg/L		02/08/22 08:09	02/08/22 19:26	1
Lead	0.012		0.0075	0.0075	mg/L		02/08/22 08:09	02/08/22 19:26	1
Manganese	1.3		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:26	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:26	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:09	02/08/22 19:26	1
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:26	1
Zinc	0.075	J B	0.50	0.020	mg/L		02/08/22 08:09	02/08/22 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:12	02/09/22 12:00	1
Barium	<0.50		0.50	0.050	mg/L		02/08/22 08:12	02/09/22 12:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:12	02/09/22 12:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:12	02/09/22 12:00	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:00	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:00	1
Copper	0.011	J	0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:00	1
Iron	4.6		0.40	0.20	mg/L		02/08/22 08:12	02/09/22 12:00	1
Lead	0.014		0.0075	0.0075	mg/L		02/08/22 08:12	02/09/22 12:00	1
Manganese	0.094		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:00	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:00	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:12	02/09/22 12:00	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-5(0-2)-012722

Lab Sample ID: 500-211523-5

Date Collected: 01/27/22 12:05

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:00	1
Zinc	0.034	J	0.50	0.020	mg/L		02/08/22 08:12	02/09/22 12:00	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2800		11	4.4	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Antimony	0.24	J	1.1	0.21	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Arsenic	4.1		0.54	0.18	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Barium	25		0.54	0.061	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Beryllium	0.37		0.21	0.050	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Cadmium	0.086	J B	0.11	0.019	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Calcium	20000	B	11	1.8	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Chromium	5.2		0.54	0.27	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Cobalt	3.1		0.27	0.070	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Copper	5.9		0.54	0.15	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Iron	6200		11	5.6	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Lead	9.6		0.27	0.12	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Magnesium	9300		5.4	2.7	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Manganese	240		0.54	0.078	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Nickel	6.0		0.54	0.16	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Potassium	210	B	27	9.5	mg/Kg	☆	02/04/22 03:13	02/07/22 17:09	1
Selenium	<0.54		0.54	0.32	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Silver	0.11	J	0.27	0.069	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Sodium	210	B	54	8.0	mg/Kg	☆	02/04/22 03:13	02/07/22 17:09	1
Thallium	<0.54		0.54	0.27	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Vanadium	8.5		0.27	0.063	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1
Zinc	22		1.1	0.47	mg/Kg	☆	02/04/22 03:13	02/04/22 18:34	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/07/22 11:00	02/08/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 08:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	J	0.018	0.0061	mg/Kg	☆	02/03/22 13:50	02/04/22 07:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.2	0.2	SU			02/01/22 18:31	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-7(0-2)-012722

Lab Sample ID: 500-211523-7

Date Collected: 01/27/22 12:15

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.022		0.022	0.0095	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Benzene	<0.0022		0.0022	0.00055	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Bromodichloromethane	<0.0022		0.0022	0.00044	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Bromoform	<0.0022		0.0022	0.00063	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Bromomethane	<0.0054	*+	0.0054	0.0021	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Carbon disulfide	<0.0054	*-	0.0054	0.0011	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Carbon tetrachloride	<0.0022		0.0022	0.00063	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Chlorobenzene	<0.0022		0.0022	0.00080	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Chloroethane	<0.0054		0.0054	0.0016	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Chloroform	<0.0022		0.0022	0.00075	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Chloromethane	<0.0054		0.0054	0.0022	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
cis-1,2-Dichloroethene	<0.0022		0.0022	0.00061	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
cis-1,3-Dichloropropene	<0.0022		0.0022	0.00065	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Dibromochloromethane	<0.0022		0.0022	0.00071	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
1,1-Dichloroethane	<0.0022		0.0022	0.00074	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
1,2-Dichloroethane	<0.0054		0.0054	0.0017	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
1,1-Dichloroethene	<0.0022		0.0022	0.00075	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
1,2-Dichloropropane	<0.0022		0.0022	0.00056	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
1,3-Dichloropropene, Total	<0.0022		0.0022	0.00076	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Ethylbenzene	<0.0022		0.0022	0.0010	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
2-Hexanone	0.0062		0.0054	0.0017	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Methylene Chloride	<0.0054		0.0054	0.0021	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Methyl Ethyl Ketone	<0.0054		0.0054	0.0024	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
methyl isobutyl ketone	0.0037	J	0.0054	0.0016	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Methyl tert-butyl ether	<0.0022		0.0022	0.00064	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Styrene	<0.0022		0.0022	0.00066	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
1,1,2,2-Tetrachloroethane	<0.0022		0.0022	0.00069	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Tetrachloroethene	<0.0022		0.0022	0.00074	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Toluene	<0.0022		0.0022	0.00055	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
trans-1,2-Dichloroethene	<0.0022		0.0022	0.00096	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
trans-1,3-Dichloropropene	<0.0022		0.0022	0.00076	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
1,1,1-Trichloroethane	<0.0022		0.0022	0.00073	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
1,1,2-Trichloroethane	<0.0022		0.0022	0.00093	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Trichloroethene	<0.0022		0.0022	0.00073	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Vinyl chloride	<0.0022		0.0022	0.00096	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1
Xylenes, Total	<0.0043		0.0043	0.00069	mg/Kg	✱	01/27/22 17:43	02/03/22 13:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		75 - 131	01/27/22 17:43	02/03/22 13:05	1
Dibromofluoromethane (Surr)	113		75 - 126	01/27/22 17:43	02/03/22 13:05	1
1,2-Dichloroethane-d4 (Surr)	84		70 - 134	01/27/22 17:43	02/03/22 13:05	1
Toluene-d8 (Surr)	87		75 - 124	01/27/22 17:43	02/03/22 13:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	✱	02/05/22 07:54	02/07/22 14:28	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	✱	02/05/22 07:54	02/07/22 14:28	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	✱	02/05/22 07:54	02/07/22 14:28	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	✱	02/05/22 07:54	02/07/22 14:28	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	✱	02/05/22 07:54	02/07/22 14:28	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-7(0-2)-012722

Lab Sample ID: 500-211523-7

Date Collected: 01/27/22 12:15

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.088	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
2,4-Dichlorophenol	<0.38		0.38	0.092	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
2-Nitrophenol	<0.38		0.38	0.092	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Acenaphthene	<0.038		0.038	0.0070	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Anthracene	<0.038		0.038	0.0065	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Benzo[a]anthracene	0.019	J	0.038	0.0052	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Benzo[a]pyrene	0.027	J *3	0.038	0.0075	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Benzo[b]fluoranthene	0.058	*3	0.038	0.0084	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Benzofluoranthene	<0.038	*3	0.038	0.012	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Benzo[k]fluoranthene	0.019	J *3	0.038	0.011	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.040	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Chrysene	0.029	J	0.038	0.011	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Dibenz(a,h)anthracene	<0.038	*3	0.038	0.0075	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Fluoranthene	0.039		0.038	0.0072	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☆	02/05/22 07:54	02/07/22 14:28	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-7(0-2)-012722

Lab Sample ID: 500-211523-7

Date Collected: 01/27/22 12:15

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.038	*3	0.038	0.010	mg/Kg	☼	02/05/22 07:54	02/07/22 14:28	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	02/05/22 07:54	02/07/22 14:28	1
Naphthalene	<0.038		0.038	0.0060	mg/Kg	☼	02/05/22 07:54	02/07/22 14:28	1
Nitrobenzene	<0.038		0.038	0.0097	mg/Kg	☼	02/05/22 07:54	02/07/22 14:28	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	02/05/22 07:54	02/07/22 14:28	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	02/05/22 07:54	02/07/22 14:28	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	02/05/22 07:54	02/07/22 14:28	1
Phenanthrene	0.0096	J	0.038	0.0054	mg/Kg	☼	02/05/22 07:54	02/07/22 14:28	1
Phenol	<0.19		0.19	0.086	mg/Kg	☼	02/05/22 07:54	02/07/22 14:28	1
Pyrene	0.029	J	0.038	0.0077	mg/Kg	☼	02/05/22 07:54	02/07/22 14:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	69		31 - 143				02/05/22 07:54	02/07/22 14:28	1
2-Fluorobiphenyl (Surr)	125		43 - 145				02/05/22 07:54	02/07/22 14:28	1
2-Fluorophenol (Surr)	113		31 - 166				02/05/22 07:54	02/07/22 14:28	1
Nitrobenzene-d5 (Surr)	84		37 - 147				02/05/22 07:54	02/07/22 14:28	1
Phenol-d5 (Surr)	85		30 - 153				02/05/22 07:54	02/07/22 14:28	1
Terphenyl-d14 (Surr)	128		42 - 157				02/05/22 07:54	02/07/22 14:28	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:09	02/08/22 19:32	1
Barium	0.15	J	0.50	0.050	mg/L		02/08/22 08:09	02/08/22 19:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:09	02/09/22 12:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:09	02/08/22 19:32	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:32	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:32	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:32	1
Iron	<0.40		0.40	0.20	mg/L		02/08/22 08:09	02/08/22 19:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/22 08:09	02/08/22 19:32	1
Manganese	1.4		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:32	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:32	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:09	02/08/22 19:32	1
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:32	1
Zinc	0.081	J B	0.50	0.020	mg/L		02/08/22 08:09	02/08/22 19:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:12	02/09/22 12:12	1
Barium	<0.50		0.50	0.050	mg/L		02/08/22 08:12	02/09/22 12:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:12	02/09/22 12:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:12	02/09/22 12:12	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:12	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:12	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:12	1
Iron	5.7		0.40	0.20	mg/L		02/08/22 08:12	02/09/22 12:12	1
Lead	0.015		0.0075	0.0075	mg/L		02/08/22 08:12	02/09/22 12:12	1
Manganese	0.14		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:12	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:12	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:12	02/09/22 12:12	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-7(0-2)-012722

Lab Sample ID: 500-211523-7

Date Collected: 01/27/22 12:15

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:12	1
Zinc	0.12	J	0.50	0.020	mg/L		02/08/22 08:12	02/09/22 12:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2200		11	4.6	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Antimony	0.34	J	1.1	0.22	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Arsenic	3.1		0.56	0.19	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Barium	25		0.56	0.064	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Beryllium	0.22	J	0.23	0.053	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Cadmium	0.089	J B	0.11	0.020	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Calcium	4600	B	11	1.9	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Chromium	7.0		0.56	0.28	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Cobalt	2.0		0.28	0.074	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Copper	7.7		0.56	0.16	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Iron	6900		11	5.9	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Lead	16		0.28	0.13	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Magnesium	2300		5.6	2.8	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Manganese	130		0.56	0.082	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Nickel	3.3		0.56	0.16	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Potassium	140	B	28	10	mg/Kg	☆	02/04/22 03:13	02/07/22 17:18	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Silver	0.088	J	0.28	0.073	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Sodium	140	B	56	8.3	mg/Kg	☆	02/04/22 03:13	02/07/22 17:18	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Vanadium	9.6		0.28	0.066	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1
Zinc	27		1.1	0.49	mg/Kg	☆	02/04/22 03:13	02/04/22 18:40	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/07/22 11:00	02/08/22 10:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 09:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.018	0.0060	mg/Kg	☆	02/03/22 13:50	02/04/22 07:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			02/01/22 18:36	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-8(0-2)-012722

Lab Sample ID: 500-211523-8

Date Collected: 01/27/22 12:20

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0086	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Benzene	<0.0020		0.0020	0.00051	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Bromoform	<0.0020		0.0020	0.00058	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Bromomethane	<0.0050	*+	0.0050	0.0019	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Carbon disulfide	<0.0050	*-	0.0050	0.0010	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Carbon tetrachloride	<0.0020		0.0020	0.00058	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Chlorobenzene	<0.0020		0.0020	0.00073	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Chloroethane	<0.0050		0.0050	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Chloroform	<0.0020		0.0020	0.00069	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Chloromethane	<0.0050		0.0050	0.0020	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Dibromochloromethane	<0.0020		0.0020	0.00065	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
1,1-Dichloroethane	<0.0020		0.0020	0.00068	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
1,2-Dichloroethane	<0.0050		0.0050	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
1,1-Dichloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00070	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Ethylbenzene	<0.0020		0.0020	0.00095	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
2-Hexanone	<0.0050		0.0050	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Methylene Chloride	<0.0050		0.0050	0.0020	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0022	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
methyl isobutyl ketone	<0.0050		0.0050	0.0015	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00058	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Styrene	<0.0020		0.0020	0.00060	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00063	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Tetrachloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Toluene	<0.0020		0.0020	0.00050	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00088	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00070	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00085	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Trichloroethene	0.0013	J	0.0020	0.00067	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Vinyl chloride	<0.0020		0.0020	0.00088	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1
Xylenes, Total	<0.0040		0.0040	0.00063	mg/Kg	☼	01/27/22 17:43	02/03/22 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		75 - 131	01/27/22 17:43	02/03/22 13:31	1
Dibromofluoromethane (Surr)	112		75 - 126	01/27/22 17:43	02/03/22 13:31	1
1,2-Dichloroethane-d4 (Surr)	81		70 - 134	01/27/22 17:43	02/03/22 13:31	1
Toluene-d8 (Surr)	88		75 - 124	01/27/22 17:43	02/03/22 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	02/05/22 07:54	02/05/22 22:23	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	02/05/22 07:54	02/05/22 22:23	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	02/05/22 07:54	02/05/22 22:23	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	02/05/22 07:54	02/05/22 22:23	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	02/05/22 07:54	02/05/22 22:23	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-8(0-2)-012722

Lab Sample ID: 500-211523-8

Date Collected: 01/27/22 12:20

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
2-Methylnaphthalene	<0.075		0.075	0.0069	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Benzo[a]anthracene	0.0059	J	0.037	0.0050	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Benzo[a]pyrene	<0.037	*3	0.037	0.0072	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Benzo[b]fluoranthene	<0.037	*3	0.037	0.0080	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Benzo[g,h,i]perylene	<0.037	*3	0.037	0.012	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Benzo[k]fluoranthene	<0.037	*3	0.037	0.011	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Carbazole	<0.19		0.19	0.093	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Chrysene	<0.037		0.037	0.010	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Dibenz(a,h)anthracene	<0.037	*3	0.037	0.0072	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Fluoranthene	0.012	J	0.037	0.0069	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	02/05/22 07:54	02/05/22 22:23	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-8(0-2)-012722

Lab Sample ID: 500-211523-8

Date Collected: 01/27/22 12:20

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.037	*3	0.037	0.0097	mg/Kg	☼	02/05/22 07:54	02/05/22 22:23	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	02/05/22 07:54	02/05/22 22:23	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	02/05/22 07:54	02/05/22 22:23	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	02/05/22 07:54	02/05/22 22:23	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.046	mg/Kg	☼	02/05/22 07:54	02/05/22 22:23	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	02/05/22 07:54	02/05/22 22:23	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	02/05/22 07:54	02/05/22 22:23	1
Phenanthrene	0.0098	J	0.037	0.0052	mg/Kg	☼	02/05/22 07:54	02/05/22 22:23	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	02/05/22 07:54	02/05/22 22:23	1
Pyrene	0.013	J	0.037	0.0074	mg/Kg	☼	02/05/22 07:54	02/05/22 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	104		31 - 143				02/05/22 07:54	02/05/22 22:23	1
2-Fluorobiphenyl (Surr)	96		43 - 145				02/05/22 07:54	02/05/22 22:23	1
2-Fluorophenol (Surr)	121		31 - 166				02/05/22 07:54	02/05/22 22:23	1
Nitrobenzene-d5 (Surr)	105		37 - 147				02/05/22 07:54	02/05/22 22:23	1
Phenol-d5 (Surr)	77		30 - 153				02/05/22 07:54	02/05/22 22:23	1
Terphenyl-d14 (Surr)	146		42 - 157				02/05/22 07:54	02/05/22 22:23	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:09	02/08/22 19:46	1
Barium	0.13	J	0.50	0.050	mg/L		02/08/22 08:09	02/08/22 19:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:09	02/09/22 12:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:09	02/08/22 19:46	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:46	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:46	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:46	1
Iron	<0.40		0.40	0.20	mg/L		02/08/22 08:09	02/08/22 19:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/22 08:09	02/08/22 19:46	1
Manganese	1.2		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:46	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:46	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:09	02/08/22 19:46	1
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:46	1
Zinc	0.15	J B	0.50	0.020	mg/L		02/08/22 08:09	02/08/22 19:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:12	02/09/22 12:16	1
Barium	<0.50		0.50	0.050	mg/L		02/08/22 08:12	02/09/22 12:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:12	02/09/22 12:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:12	02/09/22 12:16	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:16	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:16	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:16	1
Iron	2.3		0.40	0.20	mg/L		02/08/22 08:12	02/09/22 12:16	1
Lead	0.0079		0.0075	0.0075	mg/L		02/08/22 08:12	02/09/22 12:16	1
Manganese	0.056		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:16	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:16	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:12	02/09/22 12:16	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-8(0-2)-012722

Lab Sample ID: 500-211523-8

Date Collected: 01/27/22 12:20

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:16	1
Zinc	0.041	J	0.50	0.020	mg/L		02/08/22 08:12	02/09/22 12:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1800		11	4.4	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Antimony	0.31	J	1.1	0.21	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Arsenic	3.0		0.54	0.18	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Barium	10		0.54	0.061	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Beryllium	0.16	J	0.21	0.050	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Cadmium	0.093	J B	0.11	0.019	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Calcium	14000	B	11	1.8	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Chromium	4.3		0.54	0.27	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Cobalt	1.8		0.27	0.070	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Copper	5.6		0.54	0.15	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Iron	4600		11	5.6	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Lead	6.3		0.27	0.12	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Magnesium	7700		5.4	2.7	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Manganese	110		0.54	0.078	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Nickel	3.3		0.54	0.16	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Potassium	150	B	27	9.5	mg/Kg	☆	02/04/22 03:13	02/07/22 17:21	1
Selenium	<0.54		0.54	0.32	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Silver	<0.27		0.27	0.069	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Sodium	110	B	54	7.9	mg/Kg	☆	02/04/22 03:13	02/07/22 17:21	1
Thallium	<0.54		0.54	0.27	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Vanadium	9.2		0.27	0.063	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1
Zinc	17		1.1	0.47	mg/Kg	☆	02/04/22 03:13	02/04/22 18:50	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/07/22 11:00	02/08/22 10:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00078		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 09:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.017	0.0057	mg/Kg	☆	02/03/22 13:50	02/04/22 08:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			02/01/22 18:38	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-9(0-2)-012722

Lab Sample ID: 500-211523-9

Date Collected: 01/27/22 12:25

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.022		0.022	0.0098	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Benzene	<0.0022		0.0022	0.00057	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Bromodichloromethane	<0.0022		0.0022	0.00046	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Bromoform	<0.0022		0.0022	0.00066	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Bromomethane	<0.0056	*+	0.0056	0.0021	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Carbon disulfide	<0.0056	*-	0.0056	0.0012	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Carbon tetrachloride	<0.0022		0.0022	0.00065	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Chlorobenzene	<0.0022		0.0022	0.00083	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Chloroethane	<0.0056		0.0056	0.0017	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Chloroform	<0.0022		0.0022	0.00078	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Chloromethane	<0.0056		0.0056	0.0023	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
cis-1,2-Dichloroethene	<0.0022		0.0022	0.00063	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
cis-1,3-Dichloropropene	<0.0022		0.0022	0.00068	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Dibromochloromethane	<0.0022		0.0022	0.00073	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
1,1-Dichloroethane	<0.0022		0.0022	0.00077	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
1,2-Dichloroethane	<0.0056		0.0056	0.0018	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
1,1-Dichloroethene	<0.0022		0.0022	0.00077	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
1,2-Dichloropropane	<0.0022		0.0022	0.00058	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
1,3-Dichloropropane, Total	<0.0022		0.0022	0.00079	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Ethylbenzene	<0.0022		0.0022	0.0011	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
2-Hexanone	<0.0056		0.0056	0.0018	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Methylene Chloride	<0.0056		0.0056	0.0022	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Methyl Ethyl Ketone	<0.0056		0.0056	0.0025	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
methyl isobutyl ketone	<0.0056		0.0056	0.0017	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Methyl tert-butyl ether	<0.0022		0.0022	0.00066	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Styrene	<0.0022		0.0022	0.00068	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
1,1,2,2-Tetrachloroethane	<0.0022		0.0022	0.00072	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Tetrachloroethene	<0.0022		0.0022	0.00076	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Toluene	<0.0022		0.0022	0.00057	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
trans-1,2-Dichloroethene	<0.0022		0.0022	0.00099	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
trans-1,3-Dichloropropene	<0.0022		0.0022	0.00079	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
1,1,1-Trichloroethane	<0.0022		0.0022	0.00075	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
1,1,2-Trichloroethane	<0.0022		0.0022	0.00096	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Trichloroethene	<0.0022		0.0022	0.00076	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Vinyl chloride	<0.0022		0.0022	0.00099	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1
Xylenes, Total	<0.0045		0.0045	0.00072	mg/Kg	✱	01/27/22 17:43	02/03/22 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		75 - 131	01/27/22 17:43	02/03/22 13:56	1
Dibromofluoromethane (Surr)	119		75 - 126	01/27/22 17:43	02/03/22 13:56	1
1,2-Dichloroethane-d4 (Surr)	87		70 - 134	01/27/22 17:43	02/03/22 13:56	1
Toluene-d8 (Surr)	87		75 - 124	01/27/22 17:43	02/03/22 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.21		0.21	0.044	mg/Kg	✱	02/05/22 07:54	02/05/22 22:47	1
1,2-Dichlorobenzene	<0.21		0.21	0.049	mg/Kg	✱	02/05/22 07:54	02/05/22 22:47	1
1,3-Dichlorobenzene	<0.21		0.21	0.046	mg/Kg	✱	02/05/22 07:54	02/05/22 22:47	1
1,4-Dichlorobenzene	<0.21		0.21	0.052	mg/Kg	✱	02/05/22 07:54	02/05/22 22:47	1
2,2'-oxybis[1-chloropropane]	<0.21		0.21	0.047	mg/Kg	✱	02/05/22 07:54	02/05/22 22:47	1

Eurofins Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-9(0-2)-012722

Lab Sample ID: 500-211523-9

Date Collected: 01/27/22 12:25

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.41		0.41	0.093	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
2,4,6-Trichlorophenol	<0.41		0.41	0.14	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
2,4-Dichlorophenol	<0.41		0.41	0.097	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
2,4-Dimethylphenol	<0.41		0.41	0.16	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
2,4-Dinitrophenol	<0.83		0.83	0.72	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
2,4-Dinitrotoluene	<0.21		0.21	0.065	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
2,6-Dinitrotoluene	<0.21		0.21	0.080	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
2-Chloronaphthalene	<0.21		0.21	0.045	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
2-Chlorophenol	<0.21		0.21	0.070	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
2-Methylnaphthalene	<0.083		0.083	0.0075	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
2-Methylphenol	<0.21		0.21	0.066	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
2-Nitroaniline	<0.21		0.21	0.055	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
2-Nitrophenol	<0.41		0.41	0.097	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
3 & 4 Methylphenol	<0.21		0.21	0.068	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
3,3'-Dichlorobenzidine	<0.21		0.21	0.057	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
3-Nitroaniline	<0.41		0.41	0.13	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
4,6-Dinitro-2-methylphenol	<0.83		0.83	0.33	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
4-Bromophenyl phenyl ether	<0.21		0.21	0.054	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
4-Chloro-3-methylphenol	<0.41		0.41	0.14	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
4-Chloroaniline	<0.83		0.83	0.19	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
4-Chlorophenyl phenyl ether	<0.21		0.21	0.048	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
4-Nitroaniline	<0.41		0.41	0.17	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
4-Nitrophenol	<0.83		0.83	0.39	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Acenaphthene	<0.041		0.041	0.0074	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Acenaphthylene	<0.041		0.041	0.0054	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Anthracene	0.016	J	0.041	0.0068	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Benzo[a]anthracene	0.046		0.041	0.0055	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Benzo[a]pyrene	0.051	*3	0.041	0.0079	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Benzo[b]fluoranthene	0.086	*3	0.041	0.0088	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Benzo[g,h,i]perylene	0.026	J *3	0.041	0.013	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Benzo[k]fluoranthene	0.038	J *3	0.041	0.012	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Bis(2-chloroethoxy)methane	<0.21		0.21	0.042	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Bis(2-chloroethyl)ether	<0.21		0.21	0.061	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Bis(2-ethylhexyl) phthalate	<0.21		0.21	0.075	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Butyl benzyl phthalate	<0.21		0.21	0.078	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Carbazole	<0.21		0.21	0.10	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Chrysene	0.060		0.041	0.011	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Dibenz(a,h)anthracene	<0.041	*3	0.041	0.0079	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Dibenzofuran	<0.21		0.21	0.048	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Diethyl phthalate	<0.21		0.21	0.069	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Dimethyl phthalate	<0.21		0.21	0.053	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Di-n-butyl phthalate	<0.21		0.21	0.062	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Di-n-octyl phthalate	<0.21		0.21	0.067	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Fluoranthene	0.11		0.041	0.0076	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Fluorene	<0.041		0.041	0.0058	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Hexachlorobenzene	<0.083		0.083	0.0095	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Hexachlorobutadiene	<0.21		0.21	0.064	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Hexachlorocyclopentadiene	<0.83		0.83	0.24	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1
Hexachloroethane	<0.21		0.21	0.062	mg/Kg	✳	02/05/22 07:54	02/05/22 22:47	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-9(0-2)-012722

Lab Sample ID: 500-211523-9

Date Collected: 01/27/22 12:25

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.025	J *3	0.041	0.011	mg/Kg	☼	02/05/22 07:54	02/05/22 22:47	1
Isophorone	<0.21		0.21	0.046	mg/Kg	☼	02/05/22 07:54	02/05/22 22:47	1
Naphthalene	<0.041		0.041	0.0063	mg/Kg	☼	02/05/22 07:54	02/05/22 22:47	1
Nitrobenzene	<0.041		0.041	0.010	mg/Kg	☼	02/05/22 07:54	02/05/22 22:47	1
N-Nitrosodi-n-propylamine	<0.083		0.083	0.050	mg/Kg	☼	02/05/22 07:54	02/05/22 22:47	1
N-Nitrosodiphenylamine	<0.21		0.21	0.048	mg/Kg	☼	02/05/22 07:54	02/05/22 22:47	1
Pentachlorophenol	<0.83		0.83	0.66	mg/Kg	☼	02/05/22 07:54	02/05/22 22:47	1
Phenanthrene	0.049		0.041	0.0057	mg/Kg	☼	02/05/22 07:54	02/05/22 22:47	1
Phenol	<0.21		0.21	0.091	mg/Kg	☼	02/05/22 07:54	02/05/22 22:47	1
Pyrene	0.11		0.041	0.0081	mg/Kg	☼	02/05/22 07:54	02/05/22 22:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	97		31 - 143				02/05/22 07:54	02/05/22 22:47	1
2-Fluorobiphenyl (Surr)	59		43 - 145				02/05/22 07:54	02/05/22 22:47	1
2-Fluorophenol (Surr)	142		31 - 166				02/05/22 07:54	02/05/22 22:47	1
Nitrobenzene-d5 (Surr)	89		37 - 147				02/05/22 07:54	02/05/22 22:47	1
Phenol-d5 (Surr)	101		30 - 153				02/05/22 07:54	02/05/22 22:47	1
Terphenyl-d14 (Surr)	143		42 - 157				02/05/22 07:54	02/05/22 22:47	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:09	02/08/22 19:59	1
Barium	0.16	J	0.50	0.050	mg/L		02/08/22 08:09	02/08/22 19:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:09	02/09/22 13:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:09	02/08/22 19:59	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:59	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:59	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:59	1
Iron	<0.40		0.40	0.20	mg/L		02/08/22 08:09	02/08/22 19:59	1
Lead	0.023		0.0075	0.0075	mg/L		02/08/22 08:09	02/08/22 19:59	1
Manganese	1.4		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:59	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:59	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:09	02/08/22 19:59	1
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 19:59	1
Zinc	0.13	J B	0.50	0.020	mg/L		02/08/22 08:09	02/08/22 19:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:12	02/09/22 12:19	1
Barium	<0.50		0.50	0.050	mg/L		02/08/22 08:12	02/09/22 12:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:12	02/09/22 12:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:12	02/09/22 12:19	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:19	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:19	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:19	1
Iron	3.0		0.40	0.20	mg/L		02/08/22 08:12	02/09/22 12:19	1
Lead	0.014		0.0075	0.0075	mg/L		02/08/22 08:12	02/09/22 12:19	1
Manganese	0.079		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:19	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:19	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:12	02/09/22 12:19	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-9(0-2)-012722

Lab Sample ID: 500-211523-9

Date Collected: 01/27/22 12:25

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:19	1
Zinc	0.038	J	0.50	0.020	mg/L		02/08/22 08:12	02/09/22 12:19	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2700		12	4.8	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Antimony	0.41	J	1.2	0.23	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Arsenic	7.5		0.58	0.20	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Barium	20		0.58	0.066	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Beryllium	0.30		0.23	0.054	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Cadmium	0.16	B	0.12	0.021	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Calcium	12000	B	12	2.0	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Chromium	5.0		0.58	0.29	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Cobalt	2.4		0.29	0.076	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Copper	11		0.58	0.16	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Iron	7700		12	6.1	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Lead	13		0.29	0.13	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Magnesium	5700		5.8	2.9	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Manganese	140		0.58	0.084	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Nickel	5.0		0.58	0.17	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Potassium	200	B	29	10	mg/Kg	☆	02/04/22 03:13	02/07/22 17:24	1
Selenium	<0.58		0.58	0.34	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Silver	0.097	J	0.29	0.075	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Sodium	250	B	58	8.6	mg/Kg	☆	02/04/22 03:13	02/07/22 17:24	1
Thallium	<0.58		0.58	0.29	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Vanadium	11		0.29	0.069	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1
Zinc	29		1.2	0.51	mg/Kg	☆	02/04/22 03:13	02/04/22 18:53	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/07/22 11:00	02/08/22 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 09:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.0064	mg/Kg	☆	02/03/22 13:50	02/04/22 08:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			02/01/22 18:41	1

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-10(0-2)-012722

Lab Sample ID: 500-211523-10

Date Collected: 01/27/22 12:35

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.022		0.022	0.0095	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Benzene	<0.0022		0.0022	0.00056	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Bromodichloromethane	<0.0022		0.0022	0.00044	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Bromoform	<0.0022		0.0022	0.00064	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Bromomethane	<0.0054	*+	0.0054	0.0021	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Carbon disulfide	<0.0054	*-	0.0054	0.0011	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Carbon tetrachloride	<0.0022		0.0022	0.00063	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Chlorobenzene	<0.0022		0.0022	0.00080	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Chloroethane	<0.0054		0.0054	0.0016	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Chloroform	<0.0022		0.0022	0.00076	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Chloromethane	<0.0054		0.0054	0.0022	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
cis-1,2-Dichloroethene	<0.0022		0.0022	0.00061	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
cis-1,3-Dichloropropene	<0.0022		0.0022	0.00066	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Dibromochloromethane	<0.0022		0.0022	0.00071	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
1,1-Dichloroethane	<0.0022		0.0022	0.00075	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
1,2-Dichloroethane	<0.0054		0.0054	0.0017	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
1,1-Dichloroethene	<0.0022		0.0022	0.00075	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
1,2-Dichloropropane	<0.0022		0.0022	0.00056	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
1,3-Dichloropropane, Total	<0.0022		0.0022	0.00076	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Ethylbenzene	<0.0022		0.0022	0.0010	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
2-Hexanone	<0.0054		0.0054	0.0017	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Methylene Chloride	<0.0054		0.0054	0.0021	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Methyl Ethyl Ketone	<0.0054		0.0054	0.0024	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
methyl isobutyl ketone	<0.0054		0.0054	0.0016	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Methyl tert-butyl ether	<0.0022		0.0022	0.00064	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Styrene	<0.0022		0.0022	0.00066	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
1,1,2,2-Tetrachloroethane	<0.0022		0.0022	0.00070	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Tetrachloroethene	<0.0022		0.0022	0.00074	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Toluene	<0.0022		0.0022	0.00055	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
trans-1,2-Dichloroethene	<0.0022		0.0022	0.00096	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
trans-1,3-Dichloropropene	<0.0022		0.0022	0.00076	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
1,1,1-Trichloroethane	<0.0022		0.0022	0.00073	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
1,1,2-Trichloroethane	<0.0022		0.0022	0.00093	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Trichloroethene	<0.0022		0.0022	0.00074	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Vinyl chloride	<0.0022		0.0022	0.00096	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1
Xylenes, Total	<0.0044		0.0044	0.00070	mg/Kg	☼	01/27/22 17:43	02/03/22 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		75 - 131	01/27/22 17:43	02/03/22 14:22	1
Dibromofluoromethane (Surr)	112		75 - 126	01/27/22 17:43	02/03/22 14:22	1
1,2-Dichloroethane-d4 (Surr)	85		70 - 134	01/27/22 17:43	02/03/22 14:22	1
Toluene-d8 (Surr)	87		75 - 124	01/27/22 17:43	02/03/22 14:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	02/05/22 07:54	02/07/22 14:52	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	02/05/22 07:54	02/07/22 14:52	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	02/05/22 07:54	02/07/22 14:52	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	☼	02/05/22 07:54	02/07/22 14:52	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	02/05/22 07:54	02/07/22 14:52	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-10(0-2)-012722

Lab Sample ID: 500-211523-10

Date Collected: 01/27/22 12:35

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.084	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
2-Methylnaphthalene	0.020	J	0.075	0.0068	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Acenaphthene	0.0074	J	0.037	0.0066	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Acenaphthylene	0.015	J	0.037	0.0049	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Anthracene	0.051		0.037	0.0062	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Benzo[a]anthracene	0.29		0.037	0.0050	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Benzo[a]pyrene	0.41	*3	0.037	0.0072	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Benzo[b]fluoranthene	0.72	*3	0.037	0.0080	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Benzo[g,h,i]perylene	0.090	*3	0.037	0.012	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Benzo[k]fluoranthene	0.26	*3	0.037	0.011	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Carbazole	<0.19		0.19	0.092	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Chrysene	0.32		0.037	0.010	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Dibenz(a,h)anthracene	0.039	*3	0.037	0.0071	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Fluoranthene	0.59		0.037	0.0069	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Fluorene	0.011	J	0.037	0.0052	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	✳	02/05/22 07:54	02/07/22 14:52	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-10(0-2)-012722

Lab Sample ID: 500-211523-10

Date Collected: 01/27/22 12:35

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.11	*3	0.037	0.0096	mg/Kg	☼	02/05/22 07:54	02/07/22 14:52	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	02/05/22 07:54	02/07/22 14:52	1
Naphthalene	0.019	J	0.037	0.0057	mg/Kg	☼	02/05/22 07:54	02/07/22 14:52	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	02/05/22 07:54	02/07/22 14:52	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	02/05/22 07:54	02/07/22 14:52	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	02/05/22 07:54	02/07/22 14:52	1
Pentachlorophenol	<0.75		0.75	0.59	mg/Kg	☼	02/05/22 07:54	02/07/22 14:52	1
Phenanthrene	0.23		0.037	0.0052	mg/Kg	☼	02/05/22 07:54	02/07/22 14:52	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	02/05/22 07:54	02/07/22 14:52	1
Pyrene	0.63		0.037	0.0073	mg/Kg	☼	02/05/22 07:54	02/07/22 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	109		31 - 143				02/05/22 07:54	02/07/22 14:52	1
2-Fluorobiphenyl (Surr)	83		43 - 145				02/05/22 07:54	02/07/22 14:52	1
2-Fluorophenol (Surr)	114		31 - 166				02/05/22 07:54	02/07/22 14:52	1
Nitrobenzene-d5 (Surr)	73		37 - 147				02/05/22 07:54	02/07/22 14:52	1
Phenol-d5 (Surr)	95		30 - 153				02/05/22 07:54	02/07/22 14:52	1
Terphenyl-d14 (Surr)	134		42 - 157				02/05/22 07:54	02/07/22 14:52	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:09	02/08/22 20:02	1
Barium	0.27	J	0.50	0.050	mg/L		02/08/22 08:09	02/08/22 20:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:09	02/09/22 13:06	1
Cadmium	0.0037	J	0.0050	0.0020	mg/L		02/08/22 08:09	02/08/22 20:02	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:02	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:02	1
Copper	0.011	J B	0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:02	1
Iron	<0.40		0.40	0.20	mg/L		02/08/22 08:09	02/08/22 20:02	1
Lead	0.044		0.0075	0.0075	mg/L		02/08/22 08:09	02/08/22 20:02	1
Manganese	1.6		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:02	1
Nickel	0.010	J	0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:02	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:09	02/08/22 20:02	1
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:02	1
Zinc	0.31	J B	0.50	0.020	mg/L		02/08/22 08:09	02/08/22 20:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.021	J	0.050	0.010	mg/L		02/08/22 08:12	02/09/22 12:22	1
Barium	0.33	J	0.50	0.050	mg/L		02/08/22 08:12	02/09/22 12:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:12	02/09/22 12:22	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		02/08/22 08:12	02/09/22 12:22	1
Chromium	0.075		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:22	1
Cobalt	0.014	J	0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:22	1
Copper	0.16		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:22	1
Iron	50		0.40	0.20	mg/L		02/08/22 08:12	02/09/22 12:22	1
Lead	0.45		0.0075	0.0075	mg/L		02/08/22 08:12	02/09/22 12:22	1
Manganese	0.72		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:22	1
Nickel	0.055		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:22	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:12	02/09/22 12:22	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-10(0-2)-012722

Lab Sample ID: 500-211523-10

Date Collected: 01/27/22 12:35

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:22	1
Zinc	0.51		0.50	0.020	mg/L		02/08/22 08:12	02/09/22 12:22	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2800	B	11	4.6	mg/Kg	☆	02/05/22 05:30	02/08/22 11:09	1
Antimony	0.59	J	1.1	0.22	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Arsenic	3.5		0.56	0.19	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Barium	32	B	0.56	0.064	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Beryllium	0.32		0.22	0.052	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Cadmium	0.54	B	0.11	0.020	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Calcium	14000	B	11	1.9	mg/Kg	☆	02/05/22 05:30	02/08/22 11:09	1
Chromium	8.0		0.56	0.28	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Cobalt	2.6		0.28	0.073	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Copper	23		0.56	0.16	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Iron	7300	B	11	5.8	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Lead	96		0.28	0.13	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Magnesium	7900	B	5.6	2.8	mg/Kg	☆	02/05/22 05:30	02/08/22 11:09	1
Manganese	190	B	0.56	0.081	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Nickel	6.9		0.56	0.16	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Potassium	350		28	9.9	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Selenium	<0.56		0.56	0.33	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Silver	0.12	J	0.28	0.072	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Sodium	640	B	56	8.3	mg/Kg	☆	02/05/22 05:30	02/08/22 11:09	1
Thallium	<0.56		0.56	0.28	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Vanadium	11		0.28	0.066	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1
Zinc	69		1.1	0.49	mg/Kg	☆	02/05/22 05:30	02/07/22 17:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/07/22 11:00	02/08/22 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 09:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.082		0.018	0.0060	mg/Kg	☆	02/03/22 13:50	02/04/22 08:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			02/01/22 18:43	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-11(0-2)-012722

Lab Sample ID: 500-211523-11

Date Collected: 01/27/22 12:40

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.030		0.030	0.013	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Benzene	<0.0030		0.0030	0.00078	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Bromodichloromethane	<0.0030		0.0030	0.00062	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Bromoform	<0.0030		0.0030	0.00089	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Bromomethane	<0.0076		0.0076	0.0029	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Carbon disulfide	0.0042	J	0.0076	0.0016	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Carbon tetrachloride	<0.0030		0.0030	0.00088	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Chlorobenzene	<0.0030		0.0030	0.0011	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Chloroethane	<0.0076	*-	0.0076	0.0022	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Chloroform	<0.0030		0.0030	0.0011	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Chloromethane	<0.0076		0.0076	0.0031	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
cis-1,2-Dichloroethene	<0.0030		0.0030	0.00085	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
cis-1,3-Dichloropropene	<0.0030		0.0030	0.00092	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Dibromochloromethane	<0.0030		0.0030	0.00099	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
1,1-Dichloroethane	<0.0030		0.0030	0.0010	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
1,2-Dichloroethane	<0.0076		0.0076	0.0024	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
1,1-Dichloroethene	<0.0030		0.0030	0.0010	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
1,2-Dichloropropane	<0.0030		0.0030	0.00079	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
1,3-Dichloropropene, Total	<0.0030		0.0030	0.0011	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Ethylbenzene	<0.0030		0.0030	0.0015	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
2-Hexanone	<0.0076		0.0076	0.0024	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Methylene Chloride	<0.0076		0.0076	0.0030	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Methyl Ethyl Ketone	<0.0076		0.0076	0.0034	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
methyl isobutyl ketone	<0.0076		0.0076	0.0022	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Methyl tert-butyl ether	<0.0030		0.0030	0.00089	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Styrene	<0.0030		0.0030	0.00092	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
1,1,2,2-Tetrachloroethane	<0.0030	*3	0.0030	0.00097	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Tetrachloroethene	<0.0030		0.0030	0.0010	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Toluene	<0.0030		0.0030	0.00077	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
trans-1,2-Dichloroethene	<0.0030		0.0030	0.0013	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
trans-1,3-Dichloropropene	<0.0030		0.0030	0.0011	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
1,1,1-Trichloroethane	<0.0030		0.0030	0.0010	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
1,1,2-Trichloroethane	<0.0030		0.0030	0.0013	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Trichloroethene	<0.0030		0.0030	0.0010	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Vinyl chloride	<0.0030		0.0030	0.0013	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1
Xylenes, Total	<0.0061		0.0061	0.00097	mg/Kg	✳	01/27/22 17:43	02/04/22 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128	*3	75 - 131	01/27/22 17:43	02/04/22 15:02	1
Dibromofluoromethane (Surr)	123		75 - 126	01/27/22 17:43	02/04/22 15:02	1
1,2-Dichloroethane-d4 (Surr)	126		70 - 134	01/27/22 17:43	02/04/22 15:02	1
Toluene-d8 (Surr)	112		75 - 124	01/27/22 17:43	02/04/22 15:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	✳	02/05/22 07:54	02/07/22 15:41	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	02/05/22 07:54	02/07/22 15:41	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✳	02/05/22 07:54	02/07/22 15:41	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✳	02/05/22 07:54	02/07/22 15:41	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✳	02/05/22 07:54	02/07/22 15:41	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-11(0-2)-012722

Lab Sample ID: 500-211523-11

Date Collected: 01/27/22 12:40

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
2-Methylnaphthalene	0.92		0.079	0.0072	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
3,3'-Dichlorobenzidine	<0.20	*3	0.20	0.055	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Anthracene	0.054		0.039	0.0065	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Benzo[a]anthracene	0.25	*3	0.039	0.0053	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Benzo[a]pyrene	0.35	*3	0.039	0.0076	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Benzo[b]fluoranthene	0.66	*3	0.039	0.0084	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Benzo[g,h,i]perylene	0.13	*3	0.039	0.013	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Benzo[k]fluoranthene	0.22	*3	0.039	0.012	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Bis(2-ethylhexyl) phthalate	0.71	*3	0.20	0.071	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Butyl benzyl phthalate	<0.20	*3	0.20	0.074	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Chrysene	0.32	*3	0.039	0.011	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Dibenz(a,h)anthracene	0.027	J *3	0.039	0.0076	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Dibenzofuran	0.15	J	0.20	0.046	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Fluoranthene	0.44		0.039	0.0072	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-11(0-2)-012722

Lab Sample ID: 500-211523-11

Date Collected: 01/27/22 12:40

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.12	*3	0.039	0.010	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Naphthalene	0.18		0.039	0.0060	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Phenanthrene	0.95		0.039	0.0054	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Pyrene	0.77	*3	0.039	0.0078	mg/Kg	☼	02/05/22 07:54	02/07/22 15:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	116		31 - 143				02/05/22 07:54	02/07/22 15:41	1
2-Fluorobiphenyl (Surr)	95		43 - 145				02/05/22 07:54	02/07/22 15:41	1
2-Fluorophenol (Surr)	134		31 - 166				02/05/22 07:54	02/07/22 15:41	1
Nitrobenzene-d5 (Surr)	98		37 - 147				02/05/22 07:54	02/07/22 15:41	1
Phenol-d5 (Surr)	107		30 - 153				02/05/22 07:54	02/07/22 15:41	1
Terphenyl-d14 (Surr)	183	S1+ *3	42 - 157				02/05/22 07:54	02/07/22 15:41	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:09	02/08/22 20:06	1
Barium	0.37	J	0.50	0.050	mg/L		02/08/22 08:09	02/08/22 20:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:09	02/09/22 13:09	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		02/08/22 08:09	02/08/22 20:06	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:06	1
Cobalt	0.018	J	0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:06	1
Copper	0.011	J B	0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:06	1
Iron	<0.40		0.40	0.20	mg/L		02/08/22 08:09	02/08/22 20:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/08/22 08:09	02/08/22 20:06	1
Manganese	3.2		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:06	1
Nickel	0.053		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:06	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:09	02/08/22 20:06	1
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:06	1
Zinc	1.3	B	0.50	0.020	mg/L		02/08/22 08:09	02/08/22 20:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:12	02/09/22 12:25	1
Barium	<0.50		0.50	0.050	mg/L		02/08/22 08:12	02/09/22 12:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:12	02/09/22 12:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/08/22 08:12	02/09/22 12:25	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:25	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:25	1
Copper	0.015	J	0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:25	1
Iron	1.7		0.40	0.20	mg/L		02/08/22 08:12	02/09/22 12:25	1
Lead	0.017		0.0075	0.0075	mg/L		02/08/22 08:12	02/09/22 12:25	1
Manganese	0.079		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:25	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:25	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:12	02/09/22 12:25	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-11(0-2)-012722

Lab Sample ID: 500-211523-11

Date Collected: 01/27/22 12:40

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:25	1
Zinc	0.070	J	0.50	0.020	mg/L		02/08/22 08:12	02/09/22 12:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000	B	12	4.8	mg/Kg	☆	02/05/22 05:30	02/08/22 11:12	1
Antimony	0.61	J	1.2	0.23	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1
Arsenic	8.5		0.59	0.20	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1
Barium	86	B	0.59	0.068	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1
Beryllium	1.7		0.24	0.055	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1
Cadmium	0.47	B	0.12	0.021	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1
Calcium	48000	B	59	10	mg/Kg	☆	02/05/22 05:30	02/08/22 11:15	5
Chromium	26		0.59	0.29	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1
Cobalt	5.8		1.5	0.39	mg/Kg	☆	02/05/22 05:30	02/08/22 11:15	5
Copper	28		0.59	0.17	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1
Iron	22000	B	12	6.2	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1
Lead	28		0.30	0.14	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1
Magnesium	19000	B	5.9	2.9	mg/Kg	☆	02/05/22 05:30	02/08/22 11:12	1
Manganese	450	B	0.59	0.086	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1
Nickel	21		0.59	0.17	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1
Potassium	1000		30	10	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1
Selenium	0.48	J	0.59	0.35	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1
Silver	0.22	J	0.30	0.076	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1
Sodium	1500	B	59	8.8	mg/Kg	☆	02/05/22 05:30	02/08/22 11:12	1
Thallium	0.50	J	0.59	0.30	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1
Vanadium	18		0.30	0.070	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1
Zinc	200		1.2	0.52	mg/Kg	☆	02/05/22 05:30	02/07/22 17:19	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/07/22 11:00	02/08/22 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 09:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.019	0.0063	mg/Kg	☆	02/03/22 13:50	02/04/22 08:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.2		0.2	0.2	SU			02/01/22 18:46	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-10(0-2)-012722D

Lab Sample ID: 500-211523-13

Date Collected: 01/27/22 12:35

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.022		0.022	0.0097	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Benzene	<0.0022		0.0022	0.00057	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Bromodichloromethane	<0.0022		0.0022	0.00046	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Bromoform	<0.0022		0.0022	0.00065	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Bromomethane	<0.0056	*+	0.0056	0.0021	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Carbon disulfide	<0.0056	*-	0.0056	0.0012	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Carbon tetrachloride	<0.0022		0.0022	0.00065	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Chlorobenzene	<0.0022		0.0022	0.00083	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Chloroethane	<0.0056		0.0056	0.0017	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Chloroform	<0.0022		0.0022	0.00078	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Chloromethane	<0.0056		0.0056	0.0022	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
cis-1,2-Dichloroethene	<0.0022		0.0022	0.00063	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
cis-1,3-Dichloropropene	<0.0022		0.0022	0.00067	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Dibromochloromethane	<0.0022		0.0022	0.00073	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
1,1-Dichloroethane	<0.0022		0.0022	0.00077	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
1,2-Dichloroethane	<0.0056		0.0056	0.0017	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
1,1-Dichloroethene	<0.0022		0.0022	0.00077	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
1,2-Dichloropropane	<0.0022		0.0022	0.00058	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
1,3-Dichloropropane, Total	<0.0022		0.0022	0.00078	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Ethylbenzene	<0.0022		0.0022	0.0011	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
2-Hexanone	<0.0056		0.0056	0.0017	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Methylene Chloride	<0.0056		0.0056	0.0022	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Methyl Ethyl Ketone	<0.0056		0.0056	0.0025	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
methyl isobutyl ketone	<0.0056		0.0056	0.0017	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Methyl tert-butyl ether	<0.0022		0.0022	0.00066	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Styrene	<0.0022		0.0022	0.00068	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
1,1,2,2-Tetrachloroethane	<0.0022		0.0022	0.00071	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Tetrachloroethene	<0.0022		0.0022	0.00076	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Toluene	<0.0022		0.0022	0.00056	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
trans-1,2-Dichloroethene	<0.0022		0.0022	0.00099	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
trans-1,3-Dichloropropene	<0.0022		0.0022	0.00078	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
1,1,1-Trichloroethane	<0.0022		0.0022	0.00075	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
1,1,2-Trichloroethane	<0.0022		0.0022	0.00096	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Trichloroethene	<0.0022		0.0022	0.00076	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Vinyl chloride	<0.0022		0.0022	0.00099	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1
Xylenes, Total	<0.0045		0.0045	0.00072	mg/Kg	☆	01/27/22 17:43	02/03/22 15:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		75 - 131	01/27/22 17:43	02/03/22 15:38	1
Dibromofluoromethane (Surr)	113		75 - 126	01/27/22 17:43	02/03/22 15:38	1
1,2-Dichloroethane-d4 (Surr)	87		70 - 134	01/27/22 17:43	02/03/22 15:38	1
Toluene-d8 (Surr)	90		75 - 124	01/27/22 17:43	02/03/22 15:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☆	02/05/22 07:54	02/08/22 12:10	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☆	02/05/22 07:54	02/08/22 12:10	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☆	02/05/22 07:54	02/08/22 12:10	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☆	02/05/22 07:54	02/08/22 12:10	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☆	02/05/22 07:54	02/08/22 12:10	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-10(0-2)-012722D

Lab Sample ID: 500-211523-13

Date Collected: 01/27/22 12:35

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
2,4-Dichlorophenol	<0.37		0.37	0.090	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
2-Methylnaphthalene	0.045	J	0.076	0.0069	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Acenaphthene	0.015	J	0.037	0.0068	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Acenaphthylene	0.016	J	0.037	0.0050	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Anthracene	0.054		0.037	0.0063	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Benzo[a]anthracene	0.29		0.037	0.0051	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Benzo[a]pyrene	0.37		0.037	0.0073	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Benzo[b]fluoranthene	0.56		0.037	0.0081	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Benzo[g,h,i]perylene	0.13		0.037	0.012	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Benzo[k]fluoranthene	0.20		0.037	0.011	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Chrysene	0.34		0.037	0.010	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Dibenz(a,h)anthracene	0.048		0.037	0.0073	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Fluoranthene	0.32		0.037	0.0070	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Fluorene	0.014	J	0.037	0.0053	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✱	02/05/22 07:54	02/08/22 12:10	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-10(0-2)-012722D

Lab Sample ID: 500-211523-13

Date Collected: 01/27/22 12:35

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	0.15		0.037	0.0098	mg/Kg	☼	02/05/22 07:54	02/08/22 12:10	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	02/05/22 07:54	02/08/22 12:10	1
Naphthalene	0.036	J	0.037	0.0058	mg/Kg	☼	02/05/22 07:54	02/08/22 12:10	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	02/05/22 07:54	02/08/22 12:10	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	02/05/22 07:54	02/08/22 12:10	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	02/05/22 07:54	02/08/22 12:10	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	02/05/22 07:54	02/08/22 12:10	1
Phenanthrene	0.24		0.037	0.0053	mg/Kg	☼	02/05/22 07:54	02/08/22 12:10	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	02/05/22 07:54	02/08/22 12:10	1
Pyrene	0.33		0.037	0.0075	mg/Kg	☼	02/05/22 07:54	02/08/22 12:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	90		31 - 143				02/05/22 07:54	02/08/22 12:10	1
2-Fluorobiphenyl (Surr)	86		43 - 145				02/05/22 07:54	02/08/22 12:10	1
2-Fluorophenol (Surr)	91		31 - 166				02/05/22 07:54	02/08/22 12:10	1
Nitrobenzene-d5 (Surr)	79		37 - 147				02/05/22 07:54	02/08/22 12:10	1
Phenol-d5 (Surr)	86		30 - 153				02/05/22 07:54	02/08/22 12:10	1
Terphenyl-d14 (Surr)	77		42 - 157				02/05/22 07:54	02/08/22 12:10	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/08/22 08:09	02/08/22 20:13	1
Barium	0.27	J	0.50	0.050	mg/L		02/08/22 08:09	02/08/22 20:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:09	02/09/22 13:16	1
Cadmium	0.0043	J	0.0050	0.0020	mg/L		02/08/22 08:09	02/08/22 20:13	1
Chromium	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:13	1
Cobalt	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:13	1
Copper	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:13	1
Iron	<0.40		0.40	0.20	mg/L		02/08/22 08:09	02/08/22 20:13	1
Lead	0.034		0.0075	0.0075	mg/L		02/08/22 08:09	02/08/22 20:13	1
Manganese	1.4		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:13	1
Nickel	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:13	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:09	02/08/22 20:13	1
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:09	02/08/22 20:13	1
Zinc	0.22	J B	0.50	0.020	mg/L		02/08/22 08:09	02/08/22 20:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.021	J	0.050	0.010	mg/L		02/08/22 08:12	02/09/22 12:31	1
Barium	0.30	J	0.50	0.050	mg/L		02/08/22 08:12	02/09/22 12:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/08/22 08:12	02/09/22 12:31	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		02/08/22 08:12	02/09/22 12:31	1
Chromium	0.069		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:31	1
Cobalt	0.012	J	0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:31	1
Copper	0.15		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:31	1
Iron	46		0.40	0.20	mg/L		02/08/22 08:12	02/09/22 12:31	1
Lead	0.43		0.0075	0.0075	mg/L		02/08/22 08:12	02/09/22 12:31	1
Manganese	0.59		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:31	1
Nickel	0.050		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:31	1
Selenium	<0.050		0.050	0.020	mg/L		02/08/22 08:12	02/09/22 12:31	1

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Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Client Sample ID: MN-10(0-2)-012722D

Lab Sample ID: 500-211523-13

Date Collected: 01/27/22 12:35

Matrix: Solid

Date Received: 01/27/22 15:40

Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/08/22 08:12	02/09/22 12:31	1
Zinc	0.52		0.50	0.020	mg/L		02/08/22 08:12	02/09/22 12:31	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2900	B	10	4.3	mg/Kg	☆	02/05/22 05:30	02/08/22 11:25	1
Antimony	0.68	J	1.0	0.20	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Arsenic	4.1		0.52	0.18	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Barium	36	B	0.52	0.059	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Beryllium	0.32		0.21	0.049	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Cadmium	0.59	B	0.10	0.019	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Calcium	14000	B	10	1.8	mg/Kg	☆	02/05/22 05:30	02/08/22 11:25	1
Chromium	8.5		0.52	0.26	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Cobalt	3.2		0.26	0.068	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Copper	28		0.52	0.15	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Iron	8900	B	10	5.4	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Lead	95		0.26	0.12	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Magnesium	8200	B	5.2	2.6	mg/Kg	☆	02/05/22 05:30	02/08/22 11:25	1
Manganese	170	B	0.52	0.076	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Nickel	8.0		0.52	0.15	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Potassium	350		26	9.2	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Selenium	<0.52		0.52	0.31	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Silver	0.10	J	0.26	0.067	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Sodium	680	B	52	7.7	mg/Kg	☆	02/05/22 05:30	02/08/22 11:25	1
Thallium	<0.52		0.52	0.26	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Vanadium	13		0.26	0.061	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1
Zinc	100		1.0	0.46	mg/Kg	☆	02/05/22 05:30	02/07/22 17:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/07/22 11:00	02/08/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/08/22 10:10	02/09/22 09:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.018	0.0060	mg/Kg	☆	02/03/22 13:50	02/04/22 08:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.2	0.2	SU			02/01/22 18:53	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Chicago and Burnham - WO 033

Job ID: 500-211523-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-22

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

Chain of Custody Record

542618




Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager A. Slesers		Site Contact J. Dierman		Date 1/27		COC No	
Company Name Weston Solutions		Tel/Email		Lab Contact R. Wright		Carrier		1 of _____ COCs	
Address 300 Knightsbridge Pkwy		Analysis Turnaround Time		Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ VOCs _____ SVOCs _____ Total Metals _____ TCLP/SPLP Metals _____ PH _____		 500-211523 COC		Sampler	
City/State/Zip Lincolnshire IL 60069		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____						For Lab Use Only	
Phone 224-864-7201		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Walk-in Client	
Project Name IDDT 033								Lab Sampling	
Site								Job / SDG No	
P O #								500-211523	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes		
1	MN-1(0-2)-012722	1/27/22	1045	G	S	5	X	X	X
2	MN-2(0-2)-012722	1/27/22	1050	G	S	5			
3	MN-3(0-2)-012722	1/27/22	1150	G	S	5			
4	MN-4(0-2)-012722	1/27/22	1155	G	S	5			
5	MN-5(0-2)-012722	1/27/22	1205	G	S	5			
6	MN-6(0-2)-012722	1/27/22	1210	G	S	5			
7	MN-7(0-2)-012722	1/27/22	1215	G	S	5			
8	MN-8(0-2)-012722	1/27/22	1220	G	S	5			
9	MN-9(0-2)-012722	1/27/22	1225	G	S	5			
10	MN-10(0-2)-012722	1/27/22	1235	G	S	5			
11	MN-11(0-2)-012722	1/27/22	1240	G	S	5			
12	MN-2(0-2)-012722D	1/27/22	1050	G	S	5	✓	✓	✓
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: includes TCLP/SPLP Mn + Fe							12.1 → 16.9, 6.3 → 6.4		
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 Janice Dierman		Company Weston		Date/Time 1/27/22 1540		Received by		Company	
Relinquished by		Company		Date/Time		Received by		Company	
Relinquished by		Company		Date/Time		Received in Laboratory by Stephanie Hernandez		Company EETA	
								Date/Time 1/27/22 1540	

Chain of Custody Record

542617



Environment Testing
TestAmerica

TAL-8210

Address _____

Regulatory Program: DW NPDES RCRA Other

Client Contact		Project Manager A Slesers		Site Contact T Oberman		Date 1/27/2022		COC No															
Company Name WESTON SOLUTIONS		Tel/Email		Lab Contact R. Wright		Carrier		3 of 3 COCs															
Address 200 Knightsbridge		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">Analysis Turnaround Time</th> </tr> <tr> <td><input type="checkbox"/> CALENDAR DAYS</td> <td><input type="checkbox"/> WORKING DAYS</td> </tr> <tr> <td colspan="2">TAT if different from Below _____</td> </tr> <tr> <td><input type="checkbox"/> 2 weeks</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 1 week</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 2 days</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 1 day</td> <td></td> </tr> </table>								Analysis Turnaround Time		<input type="checkbox"/> CALENDAR DAYS	<input type="checkbox"/> WORKING DAYS	TAT if different from Below _____		<input type="checkbox"/> 2 weeks		<input type="checkbox"/> 1 week		<input type="checkbox"/> 2 days		<input type="checkbox"/> 1 day	
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Sampler		For Lab Use Only		Walk-in Client		Lab Sampling		Job / SDG No															
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	500-21523														
13 MN-10(0-2)-0127220	1/27/22	1235	G	S	5			X X X X X															
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																					
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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 Jayla Plummer		Company Weston		Date/Time 1/27/22 1540		Received by		Company															
Relinquished by		Company		Date/Time		Received by		Company															
Relinquished by		Company		Date/Time		Received in Laboratory by Stephanie Hernandez		Company EETA															
								Date/Time 1/27/22 1540															

