



Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 334: US12 / IL 59 (RAND RD) Office Phone Number, if available: _____

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

32405 US 12 (ISGS SITE NO. 3551-5)

City: VOLO State: IL Zip Code: _____

County: Lake Township: _____

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

Latitude: 42.33305 Longitude: - 88.16851

(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.): 19

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):

LOCATION YM-3 WAS SAMPLED ADJACENT TO ISGS SITE No. 3551-5. SEE FIGURE 3-2 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 IDs: 500-202128-1.
ALSO SEE FIGURE 4-2 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:

12/10/2021
Date:



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

Summary Table of ISGS Site No. 3551-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US 12 / IL 59 (Rand Rd) - Over Fish Creek
Volo/Lakemoor, Lake County, Illinois

Location	YM-3	Soil Reference Concentrations ^A
Sample Date	7/9/2021	
Field Sample ID	YM-3(0-1)-070921	
ISGS Site No.	3551-5	
Laboratory pH	8.6	<6.25; >9.0
VOCs (mg/kg)		
Trichloroethene	0.0027	0.06
SVOCs (mg/kg)		
bis(2-Ethylhexyl)phthalate	0.14 J	0.06
Chrysene	0.3 J	88
Dibenzo(a,h)anthracene	0.12 J	0.09 / 0.2 / 0.42
Fluoranthene	0.33	3100
Fluorene	0.018 J	560
Indeno(1,2,3-cd)pyrene	0.35 J	0.9 / 0.9 / 1.6
Phenanthrene	0.27	---
Pyrene	0.94 J	2300
Acenaphthene	0.016 J	570
Acenaphthylene	0.0052 J	---
Anthracene	0.046	12000
Benzo(a)anthracene	0.23 J	0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.43 J	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.53 J	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.41 J	---
Benzo(k)fluoranthene	0.17 J	9
Total Metals (mg/kg)		
Antimony, Total	0.6 J	5
Arsenic, Total	3	11.3 / 13.0
Barium, Total	33	1500
Beryllium, Total	0.31	22
Cadmium, Total	0.38	5.2
Calcium, Total	110000 B	---
Chromium, Total	30	21
Cobalt, Total	4.3	20
Copper, Total	26	2900
Iron, Total	14000 B	15000 / 15900
Lead, Total	47	107
Magnesium, Total	61000 B	325000
Manganese, Total	580	630 / 636
Mercury, Total	0.016 J	0.89
Nickel, Total	14	100
Potassium, Total	890	---
Silver, Total	0.12 J	4.4
Sodium, Total	430 B	---
Thallium, Total	1.1	2.6
Vanadium, Total	34	550
Zinc, Total	280	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.56	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	ND	0.005
Chromium, TCLP	ND	0.1
Cobalt, TCLP	ND	1
Copper, TCLP	ND	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	0.41	0.15
Mercury, TCLP	ND	0.002
Nickel, TCLP	ND	0.1
Silver, TCLP	ND	0.05
Zinc, TCLP	0.37 J	5

Summary Table of ISGS Site No. 3551-5
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US 12 / IL 59 (Rand Rd) - Over Fish Creek
Volo/Lakemoor, Lake County, Illinois

Location	YM-3	Soil Reference Concentrations ^A
Sample Date	7/9/2021	
Field Sample ID	YM-3(0-1)-070921	
ISGS Site No.	3551-5	
SPLP Metals (mg/l)		
Arsenic, SPLP	0.029 J	0.05
Barium, SPLP	0.48 J	2
Beryllium, SPLP	0.0044	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.1	0.1
Cobalt, SPLP	0.02 J	1
Copper, SPLP	0.087	0.65
Iron, SPLP	87	5
Lead, SPLP	0.081	0.0075
Manganese, SPLP	1.1	0.15
Mercury, SPLP	ND	0.002
Nickel, SPLP	0.084	0.1
Silver, SPLP	ND	0.05
Zinc, SPLP	0.53	5

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

B - Constituent detected in the laboratory blank and investigative samples.

J - Estimated concentration.

ND - Constituent not detected above the reporting limit.

 Shaded values indicate concentration **exceeds** Reference Concentration.

ANALYTICAL REPORT

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

Laboratory Job ID: 500-202128-1

Client Project/Site: IDOT - Volo/Lakemoor - WO 022

For:

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

Attn: Mr. Andris Slesers



Authorized for release by:
7/20/2021 3:44:18 PM

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 - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: YM-3(0-1)-070921

Lab Sample ID: 500-202128-12

Date Collected: 07/09/21 10:45

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 92.8

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	☼	07/10/21 16:09	07/18/21 16:31	1
Benzene	<0.0020		0.0020	0.00051	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Bromodichloromethane	<0.0020		0.0020	0.00041	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Bromoform	<0.0020		0.0020	0.00058	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Bromomethane	<0.0050		0.0050	0.0019	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Carbon disulfide	<0.0050		0.0050	0.0010	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Carbon tetrachloride	<0.0020		0.0020	0.00058	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Chlorobenzene	<0.0020		0.0020	0.00074	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Chloroethane	<0.0050		0.0050	0.0015	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Chloroform	<0.0020		0.0020	0.00069	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Chloromethane	<0.0050		0.0050	0.0020	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00056	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Dibromochloromethane	<0.0020		0.0020	0.00065	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
1,1-Dichloroethane	<0.0020		0.0020	0.00068	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
1,2-Dichloroethane	<0.0050		0.0050	0.0016	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
1,1-Dichloroethene	<0.0020		0.0020	0.00069	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00070	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Ethylbenzene	<0.0020		0.0020	0.00096	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Methylene Chloride	<0.0050		0.0050	0.0020	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0022	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
methyl isobutyl ketone	<0.0050		0.0050	0.0015	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00059	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Styrene	<0.0020		0.0020	0.00060	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00064	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Tetrachloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Toluene	<0.0020		0.0020	0.00050	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00089	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00070	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00086	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Trichloroethene	0.0027		0.0020	0.00068	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Vinyl chloride	<0.0020		0.0020	0.00088	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1
Xylenes, Total	<0.0040		0.0040	0.00064	mg/Kg	☼	07/10/21 16:09	07/18/21 16:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		75 - 131	07/10/21 16:09	07/18/21 16:31	1
Dibromofluoromethane	103		75 - 126	07/10/21 16:09	07/18/21 16:31	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	07/10/21 16:09	07/18/21 16:31	1
Toluene-d8 (Surr)	97		75 - 124	07/10/21 16:09	07/18/21 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.038	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
1,2-Dichlorobenzene	<0.18		0.18	0.042	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
1,3-Dichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
1,4-Dichlorobenzene	<0.18		0.18	0.045	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.041	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: YM-3(0-1)-070921

Lab Sample ID: 500-202128-12

Date Collected: 07/09/21 10:45

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.35		0.35	0.080	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
2,4,6-Trichlorophenol	<0.35		0.35	0.12	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
2,4-Dichlorophenol	<0.35		0.35	0.083	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
2,4-Dimethylphenol	<0.35		0.35	0.13	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
2,4-Dinitrophenol	<0.71		0.71	0.62	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
2,4-Dinitrotoluene	<0.18		0.18	0.056	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
2,6-Dinitrotoluene	<0.18		0.18	0.069	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
2-Chloronaphthalene	<0.18		0.18	0.039	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
2-Chlorophenol	<0.18		0.18	0.060	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
2-Methylnaphthalene	<0.071		0.071	0.0064	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
2-Methylphenol	<0.18		0.18	0.056	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
2-Nitroaniline	<0.18		0.18	0.047	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
2-Nitrophenol	<0.35		0.35	0.083	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
3 & 4 Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
3,3'-Dichlorobenzidine	<0.18	*3	0.18	0.049	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
3-Nitroaniline	<0.35		0.35	0.11	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
4,6-Dinitro-2-methylphenol	<0.71		0.71	0.28	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.046	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
4-Chloro-3-methylphenol	<0.35		0.35	0.12	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
4-Chloroaniline	<0.71		0.71	0.16	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.041	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
4-Nitroaniline	<0.35		0.35	0.15	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
4-Nitrophenol	<0.71		0.71	0.33	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Acenaphthene	0.016	J	0.035	0.0063	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Acenaphthylene	0.0052	J	0.035	0.0046	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Anthracene	0.046		0.035	0.0058	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Benzo[a]anthracene	0.23	*3	0.035	0.0047	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Benzo[a]pyrene	0.43	*3	0.035	0.0068	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Benzo[b]fluoranthene	0.53	*3	0.035	0.0076	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Benzo[g,h,i]perylene	0.41	*3	0.035	0.011	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Benzo[k]fluoranthene	0.17	*3	0.035	0.010	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.036	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.052	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Bis(2-ethylhexyl) phthalate	0.14	J *3	0.18	0.064	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Butyl benzyl phthalate	<0.18	*3	0.18	0.067	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Carbazole	<0.18		0.18	0.087	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Chrysene	0.30	*3	0.035	0.0095	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Dibenz(a,h)anthracene	0.12	*3	0.035	0.0068	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Dibenzofuran	<0.18		0.18	0.041	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Diethyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Dimethyl phthalate	<0.18		0.18	0.046	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Di-n-butyl phthalate	<0.18		0.18	0.053	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Di-n-octyl phthalate	<0.18		0.18	0.057	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Fluoranthene	0.33		0.035	0.0065	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Fluorene	0.018	J	0.035	0.0049	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Hexachlorobenzene	<0.071		0.071	0.0081	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Hexachlorobutadiene	<0.18		0.18	0.055	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Hexachlorocyclopentadiene	<0.71	*-	0.71	0.20	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Hexachloroethane	<0.18		0.18	0.053	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: YM-3(0-1)-070921

Lab Sample ID: 500-202128-12

Date Collected: 07/09/21 10:45

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 92.8

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	0.35	*3	0.035	0.0091	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Isophorone	<0.18		0.18	0.039	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Naphthalene	<0.035		0.035	0.0054	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Nitrobenzene	<0.035		0.035	0.0087	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
N-Nitrosodi-n-propylamine	<0.071		0.071	0.043	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
N-Nitrosodiphenylamine	<0.18		0.18	0.041	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Pentachlorophenol	<0.71		0.71	0.56	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Phenanthrene	0.27		0.035	0.0049	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Phenol	<0.18		0.18	0.078	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Pyrene	0.94	*3	0.035	0.0070	mg/Kg	☼	07/16/21 00:27	07/19/21 20:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		31 - 143				07/16/21 00:27	07/19/21 20:18	1
2-Fluorobiphenyl	82		43 - 145				07/16/21 00:27	07/19/21 20:18	1
2-Fluorophenol	85		31 - 166				07/16/21 00:27	07/19/21 20:18	1
Nitrobenzene-d5	69		37 - 147				07/16/21 00:27	07/19/21 20:18	1
Phenol-d5	79		30 - 153				07/16/21 00:27	07/19/21 20:18	1
Terphenyl-d14	188	S1+ *3	42 - 157				07/16/21 00:27	07/19/21 20:18	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		07/14/21 18:10	07/15/21 14:59	1
Barium	0.32	J	0.50	0.050	mg/L		07/14/21 18:10	07/15/21 14:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/21 18:10	07/15/21 14:59	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		07/14/21 18:10	07/15/21 14:59	1
Chromium	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:59	1
Cobalt	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:59	1
Copper	0.012	J	0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:59	1
Iron	<0.40		0.40	0.20	mg/L		07/14/21 18:10	07/15/21 14:59	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/14/21 18:10	07/15/21 14:59	1
Manganese	1.0		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:59	1
Nickel	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:59	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:10	07/15/21 14:59	1
Silver	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:59	1
Zinc	0.90		0.50	0.020	mg/L		07/14/21 18:10	07/15/21 14:59	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		07/14/21 18:12	07/15/21 20:26	1
Barium	0.12	J	0.50	0.050	mg/L		07/14/21 18:12	07/15/21 20:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/21 18:12	07/15/21 20:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/21 18:12	07/15/21 20:26	1
Chromium	0.031		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:26	1
Cobalt	<0.025		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:26	1
Copper	0.042		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:26	1
Iron	23		0.40	0.20	mg/L		07/14/21 18:12	07/15/21 20:26	1
Lead	0.059		0.0075	0.0075	mg/L		07/14/21 18:12	07/15/21 20:26	1
Manganese	0.29		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:26	1
Nickel	0.027		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:26	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:12	07/15/21 20:26	1

Euofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: YM-3(0-1)-070921

Lab Sample ID: 500-202128-12

Date Collected: 07/09/21 10:45

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 92.8

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		07/14/21 18:12	07/15/21 20:26	1
Zinc	0.49	J	0.50	0.020	mg/L		07/14/21 18:12	07/15/21 20:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.60	J	0.99	0.19	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Arsenic	3.0		0.49	0.17	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Barium	33		0.49	0.056	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Beryllium	0.31		0.20	0.046	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Cadmium	0.38		0.099	0.018	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Calcium	110000	B	49	8.4	mg/Kg	✧	07/14/21 17:08	07/15/21 16:17	5
Chromium	30		0.49	0.24	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Cobalt	4.3		0.25	0.065	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Copper	26		0.49	0.14	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Iron	14000	B	49	26	mg/Kg	✧	07/14/21 17:08	07/15/21 16:17	5
Lead	47		0.25	0.11	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Magnesium	61000	B	25	12	mg/Kg	✧	07/14/21 17:08	07/15/21 16:17	5
Manganese	580		0.49	0.072	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Nickel	14		0.49	0.14	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Potassium	890		25	8.7	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Selenium	<0.49		0.49	0.29	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Silver	0.12	J	0.25	0.064	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Sodium	430	B	49	7.3	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Thallium	1.1		0.49	0.25	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Vanadium	34		0.25	0.058	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	1
Zinc	280		0.99	0.43	mg/Kg	✧	07/14/21 17:08	07/15/21 14:29	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		07/14/21 13:20	07/15/21 10:09	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		07/15/21 10:00	07/16/21 09:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.017	0.0057	mg/Kg	✧	07/14/21 11:35	07/15/21 09:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6		0.2	0.2	SU			07/14/21 19:10	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*3	ISTD response or retention time outside acceptable limits.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

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

Glossary

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

Eurofins TestAmerica, Chicago

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Glossary (Continued)

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

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Laboratory: Eurofins TestAmerica, Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Chain of Custody Record

529656



Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager A. Slesers		Site Contact T. Oberman		Date 7/9/21		COC No					
Company Name Weston		Tel/Email		Lab Contact R. Wright		Carrier		1 of 2 COCs					
Address 300 Plaza Circle		Analysis Turnaround Time											
City/State/Zip Mundelein IL 60060		<input type="checkbox"/> CALENDAR DAYS		<input type="checkbox"/> WORKING DAYS		<p style="text-align: center;">500-202128 COC</p>							
Phone 224-864-7201		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									
Fax		Standard											
Project Name IDOT Job 22													
Site Volo IL								For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/> Job / SDG No					
P O # 02056.016.022								500-202128					
								Sample Specific Notes					
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	SVOCs	Total Metals	TCUe/SPL Metals	PH
1	VL-5(0-1)-070921	7/9/21	0835	G	S	5			X	X	X	X	
2	VL-5(0-1)-070921D		0835										
3	VL-4(0-1)-070921		0845										
4	VL-3(0-1)-070921		0905										
5	VL-2(0-1)-070921		0910										
6	VL-1(0-1)-070921		0920										
7	U2-2(0-1)-070921		0935										
8	U2-1(0-1)-070921		0940										
9	U1-1(0-1)-070921		0955										
10	U1-2(0-1)-070921		1005										
11	YM-1(0-1)-070921		1020										
12	YM-3(0-1)-070921		1045										
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other													
Possible Hazard Identification. Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
<input checked="" type="checkbox"/> Non Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown							<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months						
Special Instructions/QC Requirements & Comments:													
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd 3.6 / 4.2		Corr'd		Therm ID No					
Relinquished by Taylor Slesers		Company Weston		Date/Time 7/9/21 1440		Received by: [Signature]		Company ETA		Date/Time 7/9/21 1440			
Relinquished by [Signature]		Company ETA		Date/Time 7/9/21 1710		Received by: [Signature]		Company ETA		Date/Time 7/9/21 1710			
Relinquished by		Company		Date/Time		Received in Laboratory by		Company		Date/Time			

Chain of Custody Record

529655



Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager <u>A. Slesers</u>		Site Contact <u>T. Oberman</u>		Date <u>7/9/21</u>		COC No			
Company Name <u>Weston</u>		Tel/Email _____		Lab Contact <u>B. Wright</u>		Carrier _____		COC No <u>2</u> of <u>2</u> COCs			
Address <u>300 Plaza Circle</u>		Analysis Turnaround Time									
City/State/Zip <u>Mundelein IL 60060</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		TAT if different from Below _____ Standard						Sampler _____ For Lab Use Only Walk-in Client _____ Lab Sampling _____	
Phone <u>224-864-7201</u>		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day								Job / SDG No _____	
Project Name <u>DDT Job 22</u>										500-202/28 Sample Specific Notes	
Site <u>Volo IL</u>											
PO# <u>02056.016.022</u>											

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	SNOGS	Total Metals	Trace Metals	PH
13 YM-2(0-1)-070921	7/9/21	1030	G	S	5			XX	XX	X		
14 YM-2(0-1)-070921D	↓	1030	↓	↓	↓			↓	↓	↓		
15 YM-4(0-1)-070921	↓	1100	↓	↓	↓			↓	↓	↓		
16 YM-5(0-1)-070921	↓	1110	↓	↓	↓			↓	↓	↓		
17 BR-1(0-5)-070921	↓	1225	↓	↓	↓			↓	↓	↓		
18 BR-2(0-5)-070921	↓	1215	↓	↓	↓			↓	↓	↓		
19 BR-3(0-5)-070921	↓	1200	↓	↓	↓			↓	↓	↓		

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

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

Non Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____	
Relinquished by <u>[Signature]</u>	Company <u>Weston</u>	Date/Time <u>7/9/21 1445</u>	Received by <u>[Signature]</u>	Company <u>ETA</u>	Date/Time <u>7/9/21 1445</u>	Therm ID No <u>1760</u>	
Relinquished by <u>[Signature]</u>	Company <u>ETA</u>	Date/Time <u>7/9/21 1710</u>	Received by <u>[Signature]</u>	Company <u>ETA</u>	Date/Time <u>7/9/21 1710</u>	Therm ID No <u>1710</u>	
Relinquished by _____	Company _____	Date/Time _____	Received in Laboratory by _____	Company _____	Date/Time _____	Therm ID No _____	



Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 334: US12 / IL 59 (RAND RD) Office Phone Number, if available: _____

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

32400 BLOCK OF US 12 (ISGS SITE NO. 3551-7)

City: VOLO State: IL Zip Code: _____

County: Lake Township: _____

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

Latitude: 42.33403 Longitude: - 88.16911

(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.): 419

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):

LOCATION BR-1 THROUGH BR-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 3551-7. SEE FIGURE 3-2 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 IDs: 500-202128-1.

ALSO SEE FIGURE 4-2 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:

12/10/2021

Date:



Summary Table of ISGS Site No. 3551-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US 12 / IL 59 (Rand Rd) - Over Fish Creek
Volo/Lakemoor, Lake County, Illinois

Location	BR-1	BR-2	BR-3	Soil Reference Concentrations ^A
Sample Date	7/9/2021	7/9/2021	7/9/2021	
Field Sample ID	BR-1(0-5)-070921	BR-2(0-5)-070921	BR-3(0-5)-070921	
ISGS Site No.	3551-7	3551-7	3551-7	
Laboratory pH	8.8	8.7	8.4	<6.25; >9.0
VOCs (mg/kg)				
1,1,1-Trichloroethane	ND	0.00059 J	ND	---
Trichloroethene	0.0014 J	0.0017	0.0017	0.06
SVOCs (mg/kg)				
Chrysene	ND	0.054	ND	88
Dibenzo(a,h)anthracene	ND	0.021 J	ND	0.09 / 0.2 / 0.42
Fluoranthene	ND	0.044	ND	3100
Indeno(1,2,3-cd)pyrene	ND	0.062	ND	0.9 / 0.9 / 1.6
Phenanthrene	ND	0.025 J	ND	---
Pyrene	ND	0.047	ND	2300
Anthracene	ND	0.0094 J	ND	12000
Benzo(a)anthracene	ND	0.035 J	ND	0.9 / 1.1 / 1.8
Benzo(a)pyrene	ND	0.096	ND	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	0.13	ND	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	ND	0.053	ND	---
Benzo(k)fluoranthene	ND	0.041	ND	9
Total Metals (mg/kg)				
Antimony, Total	0.43 J	0.53 J	0.58 J	5
Arsenic, Total	3.3	3.9	3.8	11.3 / 13.0
Barium, Total	27	39	41	1500
Beryllium, Total	0.36	0.48	0.47	22
Cadmium, Total	0.063 J	0.15	0.097 J	5.2
Calcium, Total	110000 B	100000 B	83000 B	---
Chromium, Total	9.2	12	12	21
Cobalt, Total	5.3	6.9	6.8	20
Copper, Total	14	19	14	2900
Iron, Total	13000 B	17000 B	10000 B	15000 / 15900
Lead, Total	15	29	10	107
Magnesium, Total	64000 B	53000 B	34000 B	325000
Manganese, Total	290	380	330	630 / 636
Mercury, Total	0.0094 J	0.013 J	0.014 J	0.89
Nickel, Total	14	18	17	100
Potassium, Total	1300	1800	1700	---
Silver, Total	0.14 J	0.2 J	0.19 J	4.4
Sodium, Total	400 B	500 B	1100 B	---
Thallium, Total	0.44 J	0.58	0.47 J	2.6
Vanadium, Total	18	20	20	550
Zinc, Total	38	51	42	5100
TCLP Metals (mg/l)				
Arsenic, TCLP	ND	ND	ND	0.05
Barium, TCLP	0.21 J	0.31 J	0.36 J	2
Beryllium, TCLP	ND	ND	ND	0.004
Cadmium, TCLP	0.002 J	ND	0.002 J	0.005
Chromium, TCLP	ND	ND	ND	0.1
Cobalt, TCLP	0.014 J	ND	0.012 J	1
Copper, TCLP	ND	ND	ND	0.65
Iron, TCLP	ND	ND	ND	5
Lead, TCLP	ND	ND	ND	0.0075
Manganese, TCLP	3.1	0.019 J	4	0.15
Mercury, TCLP	ND	ND	ND	0.002
Nickel, TCLP	0.027	ND	0.017 J	0.1
Silver, TCLP	ND	ND	ND	0.05
Zinc, TCLP	0.038 J	0.022 J	0.045 J	5

Summary Table of ISGS Site No. 3551-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US 12 / IL 59 (Rand Rd) - Over Fish Creek
Volo/Lakemoor, Lake County, Illinois

Location	BR-1	BR-2	BR-3	Soil Reference Concentrations ^A
Sample Date	7/9/2021	7/9/2021	7/9/2021	
Field Sample ID	BR-1(0-5)-070921	BR-2(0-5)-070921	BR-3(0-5)-070921	
ISGS Site No.	3551-7	3551-7	3551-7	
SPLP Metals (mg/l)				
Arsenic, SPLP	0.033 J	0.033 J	0.046 J	0.05
Barium, SPLP	0.33 J	0.43 J	0.52	2
Beryllium, SPLP	0.0048	0.0063	0.0077	0.004
Cadmium, SPLP	ND	ND	ND	0.005
Chromium, SPLP	0.1	0.13	0.17	0.1
Cobalt, SPLP	0.024 J	0.033	0.043	1
Copper, SPLP	0.11	0.11	0.14	0.65
Iron, SPLP	100	120	150	5
Lead, SPLP	0.084	0.15	0.1	0.0075
Manganese, SPLP	0.73	0.75	0.93	0.15
Mercury, SPLP	ND	ND	ND	0.002
Nickel, SPLP	0.1	0.12	0.16	0.1
Silver, SPLP	ND	ND	ND	0.05
Zinc, SPLP	0.34 J	0.37 J	0.48 J	5

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

B - Constituent detected in the laboratory blank and investigative samples.

J - Estimated concentration.

ND - Constituent not detected above the reporting limit.

 Shaded values indicate concentration **exceeds** Reference Concentration.

ANALYTICAL REPORT

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

Laboratory Job ID: 500-202128-1

Client Project/Site: IDOT - Volo/Lakemoor - WO 022

For:

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

Attn: Mr. Andris Slesers



Authorized for release by:
7/20/2021 3:44:18 PM

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

LINKS

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www.eurofinsus.com/Env

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 - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: BR-1(0-5)-070921

Lab Sample ID: 500-202128-17

Date Collected: 07/09/21 12:25

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0072	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Bromomethane	<0.0041		0.0041	0.0016	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Carbon disulfide	<0.0041		0.0041	0.00085	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Carbon tetrachloride	<0.0016		0.0016	0.00048	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Chlorobenzene	<0.0016		0.0016	0.00061	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Chloroform	<0.0016		0.0016	0.00057	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Chloromethane	<0.0041		0.0041	0.0017	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00046	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00050	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Dibromochloromethane	<0.0016		0.0016	0.00054	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
1,1-Dichloroethene	<0.0016		0.0016	0.00057	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00058	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Ethylbenzene	<0.0016		0.0016	0.00079	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Styrene	<0.0016		0.0016	0.00050	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Tetrachloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00073	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00058	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Trichloroethene	0.0014	J	0.0016	0.00056	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Vinyl chloride	<0.0016		0.0016	0.00073	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	07/10/21 16:09	07/18/21 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		75 - 131	07/10/21 16:09	07/18/21 18:37	1
Dibromofluoromethane	104		75 - 126	07/10/21 16:09	07/18/21 18:37	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	07/10/21 16:09	07/18/21 18:37	1
Toluene-d8 (Surr)	96		75 - 124	07/10/21 16:09	07/18/21 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: BR-1(0-5)-070921

Lab Sample ID: 500-202128-17

Date Collected: 07/09/21 12:25

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 89.2

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	0.083	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Anthracene	<0.036		0.036	0.0061	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Benzo[a]anthracene	<0.036		0.036	0.0049	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Benzo[a]pyrene	<0.036		0.036	0.0070	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Benzo[b]fluoranthene	<0.036		0.036	0.0078	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Benzo[g,h,i]perylene	<0.036		0.036	0.012	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.066	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Chrysene	<0.036		0.036	0.0099	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0070	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Fluoranthene	<0.036		0.036	0.0067	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Hexachlorocyclopentadiene	<0.73	*	0.73	0.21	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: BR-1(0-5)-070921

Lab Sample ID: 500-202128-17

Date Collected: 07/09/21 12:25

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 89.2

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	0.0094	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Phenanthrene	<0.036		0.036	0.0051	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1
Pyrene	<0.036		0.036	0.0072	mg/Kg	☼	07/16/21 00:27	07/17/21 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	83		31 - 143	07/16/21 00:27	07/17/21 18:14	1
2-Fluorobiphenyl	103		43 - 145	07/16/21 00:27	07/17/21 18:14	1
2-Fluorophenol	102		31 - 166	07/16/21 00:27	07/17/21 18:14	1
Nitrobenzene-d5	88		37 - 147	07/16/21 00:27	07/17/21 18:14	1
Phenol-d5	100		30 - 153	07/16/21 00:27	07/17/21 18:14	1
Terphenyl-d14	104		42 - 157	07/16/21 00:27	07/17/21 18:14	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		07/14/21 18:10	07/15/21 15:53	1
Barium	0.21	J	0.50	0.050	mg/L		07/14/21 18:10	07/15/21 15:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/21 18:10	07/15/21 15:53	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		07/14/21 18:10	07/15/21 15:53	1
Chromium	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:53	1
Cobalt	0.014	J	0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:53	1
Copper	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:53	1
Iron	<0.40		0.40	0.20	mg/L		07/14/21 18:10	07/15/21 15:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/14/21 18:10	07/19/21 13:09	1
Manganese	3.1		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:53	1
Nickel	0.027		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:53	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:10	07/15/21 15:53	1
Silver	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:53	1
Zinc	0.038	J	0.50	0.020	mg/L		07/14/21 18:10	07/15/21 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.033	J	0.050	0.010	mg/L		07/14/21 18:12	07/15/21 20:42	1
Barium	0.33	J	0.50	0.050	mg/L		07/14/21 18:12	07/15/21 20:42	1
Beryllium	0.0048		0.0040	0.0040	mg/L		07/14/21 18:12	07/15/21 20:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/21 18:12	07/15/21 20:42	1
Chromium	0.10		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:42	1
Cobalt	0.024	J	0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:42	1
Copper	0.11		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:42	1
Iron	100		0.40	0.20	mg/L		07/14/21 18:12	07/15/21 20:42	1
Lead	0.084		0.0075	0.0075	mg/L		07/14/21 18:12	07/15/21 20:42	1
Manganese	0.73		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:42	1
Nickel	0.10		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:42	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:12	07/15/21 20:42	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: BR-1(0-5)-070921

Lab Sample ID: 500-202128-17

Date Collected: 07/09/21 12:25

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 89.2

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		07/14/21 18:12	07/15/21 20:42	1
Zinc	0.34	J	0.50	0.020	mg/L		07/14/21 18:12	07/15/21 20:42	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.43	J	1.1	0.20	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	1
Arsenic	3.3		0.53	0.18	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	1
Barium	27		0.53	0.060	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	1
Beryllium	0.36		0.21	0.049	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	1
Cadmium	0.063	J	0.11	0.019	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	1
Calcium	110000	B	53	8.9	mg/Kg	✱	07/14/21 17:08	07/15/21 16:33	5
Chromium	9.2		0.53	0.26	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	1
Cobalt	5.3		0.26	0.069	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	1
Copper	14		0.53	0.15	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	1
Iron	13000	B	53	27	mg/Kg	✱	07/14/21 17:08	07/15/21 16:33	5
Lead	15		0.26	0.12	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	1
Magnesium	64000	B	26	13	mg/Kg	✱	07/14/21 17:08	07/15/21 16:33	5
Manganese	290		0.53	0.076	mg/Kg	✱	07/14/21 17:08	07/19/21 16:22	1
Nickel	14		0.53	0.15	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	1
Potassium	1300		26	9.3	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	1
Selenium	<0.53		0.53	0.31	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	1
Silver	0.14	J	0.26	0.068	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	1
Sodium	400	B	53	7.8	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	1
Thallium	0.44	J	0.53	0.26	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	1
Vanadium	18		0.26	0.062	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	1
Zinc	38		1.1	0.46	mg/Kg	✱	07/14/21 17:08	07/15/21 14:52	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		07/15/21 10:00	07/16/21 08:36	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		07/15/21 10:00	07/16/21 09:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0094	J	0.018	0.0059	mg/Kg	✱	07/14/21 11:35	07/15/21 09:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			07/14/21 19:22	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: BR-2(0-5)-070921

Lab Sample ID: 500-202128-18

Date Collected: 07/09/21 12:15

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0074	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
1,1,1-Trichloroethane	0.00059	J	0.0017	0.00057	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Trichloroethene	0.0017		0.0017	0.00058	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	✱	07/10/21 16:09	07/18/21 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		75 - 131	07/10/21 16:09	07/18/21 19:03	1
Dibromofluoromethane	104		75 - 126	07/10/21 16:09	07/18/21 19:03	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	07/10/21 16:09	07/18/21 19:03	1
Toluene-d8 (Surr)	95		75 - 124	07/10/21 16:09	07/18/21 19:03	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	✱	07/16/21 00:27	07/17/21 17:50	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	✱	07/16/21 00:27	07/17/21 17:50	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	✱	07/16/21 00:27	07/17/21 17:50	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	✱	07/16/21 00:27	07/17/21 17:50	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	✱	07/16/21 00:27	07/17/21 17:50	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: BR-2(0-5)-070921

Lab Sample ID: 500-202128-18

Date Collected: 07/09/21 12:15

Matrix: Solid

Date Received: 07/09/21 17:10

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	<0.37		0.37	0.084	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
2,4-Dinitrophenol	<0.75		0.75	0.65	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
2-Methylnaphthalene	<0.075		0.075	0.0068	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Acenaphthene	<0.037		0.037	0.0066	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Anthracene	0.0094	J	0.037	0.0062	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Benzo[a]anthracene	0.035	J	0.037	0.0050	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Benzo[a]pyrene	0.096		0.037	0.0072	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Benzo[b]fluoranthene	0.13		0.037	0.0080	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Benzo[g,h,i]perylene	0.053		0.037	0.012	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Benzo[k]fluoranthene	0.041		0.037	0.011	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Butyl benzyl phthalate	<0.19		0.19	0.070	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Carbazole	<0.19		0.19	0.092	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Chrysene	0.054		0.037	0.010	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Dibenz(a,h)anthracene	0.021	J	0.037	0.0071	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Fluoranthene	0.044		0.037	0.0069	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Fluorene	<0.037		0.037	0.0052	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Hexachlorocyclopentadiene	<0.75	*	0.75	0.21	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	✳	07/16/21 00:27	07/17/21 17:50	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: BR-2(0-5)-070921

Lab Sample ID: 500-202128-18

Date Collected: 07/09/21 12:15

Matrix: Solid

Date Received: 07/09/21 17:10

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	0.062		0.037	0.0096	mg/Kg	☼	07/16/21 00:27	07/17/21 17:50	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	07/16/21 00:27	07/17/21 17:50	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	07/16/21 00:27	07/17/21 17:50	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	07/16/21 00:27	07/17/21 17:50	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.045	mg/Kg	☼	07/16/21 00:27	07/17/21 17:50	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	07/16/21 00:27	07/17/21 17:50	1
Pentachlorophenol	<0.75		0.75	0.59	mg/Kg	☼	07/16/21 00:27	07/17/21 17:50	1
Phenanthrene	0.025	J	0.037	0.0052	mg/Kg	☼	07/16/21 00:27	07/17/21 17:50	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	07/16/21 00:27	07/17/21 17:50	1
Pyrene	0.047		0.037	0.0073	mg/Kg	☼	07/16/21 00:27	07/17/21 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	66		31 - 143				07/16/21 00:27	07/17/21 17:50	1
2-Fluorobiphenyl	90		43 - 145				07/16/21 00:27	07/17/21 17:50	1
2-Fluorophenol	89		31 - 166				07/16/21 00:27	07/17/21 17:50	1
Nitrobenzene-d5	77		37 - 147				07/16/21 00:27	07/17/21 17:50	1
Phenol-d5	83		30 - 153				07/16/21 00:27	07/17/21 17:50	1
Terphenyl-d14	89		42 - 157				07/16/21 00:27	07/17/21 17:50	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		07/14/21 18:10	07/15/21 15:35	1
Barium	0.31	J	0.50	0.050	mg/L		07/14/21 18:10	07/15/21 15:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/21 18:10	07/15/21 15:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/21 18:10	07/15/21 15:35	1
Chromium	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:35	1
Cobalt	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:35	1
Copper	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:35	1
Iron	<0.40		0.40	0.20	mg/L		07/14/21 18:10	07/15/21 15:35	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/14/21 18:10	07/15/21 15:35	1
Manganese	0.019	J	0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:35	1
Nickel	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:35	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:10	07/15/21 15:35	1
Silver	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:35	1
Zinc	0.022	J	0.50	0.020	mg/L		07/14/21 18:10	07/15/21 15:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.033	J	0.050	0.010	mg/L		07/14/21 18:12	07/15/21 20:45	1
Barium	0.43	J	0.50	0.050	mg/L		07/14/21 18:12	07/15/21 20:45	1
Beryllium	0.0063		0.0040	0.0040	mg/L		07/14/21 18:12	07/15/21 20:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/21 18:12	07/15/21 20:45	1
Chromium	0.13		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:45	1
Cobalt	0.033		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:45	1
Copper	0.11		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:45	1
Iron	120		0.40	0.20	mg/L		07/14/21 18:12	07/15/21 20:45	1
Lead	0.15		0.0075	0.0075	mg/L		07/14/21 18:12	07/15/21 20:45	1
Manganese	0.75		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:45	1
Nickel	0.12		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:45	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:12	07/15/21 20:45	1

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Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: BR-2(0-5)-070921

Lab Sample ID: 500-202128-18

Date Collected: 07/09/21 12:15

Matrix: Solid

Date Received: 07/09/21 17:10

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		07/14/21 18:12	07/15/21 20:45	1
Zinc	0.37	J	0.50	0.020	mg/L		07/14/21 18:12	07/15/21 20:45	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.53	J	1.1	0.22	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	1
Arsenic	3.9		0.57	0.19	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	1
Barium	39		0.57	0.065	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	1
Beryllium	0.48		0.23	0.053	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	1
Cadmium	0.15		0.11	0.020	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	1
Calcium	100000	B	57	9.6	mg/Kg	✧	07/14/21 17:08	07/15/21 16:36	5
Chromium	12		0.57	0.28	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	1
Cobalt	6.9		0.28	0.074	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	1
Copper	19		0.57	0.16	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	1
Iron	17000	B	57	29	mg/Kg	✧	07/14/21 17:08	07/15/21 16:36	5
Lead	29		0.28	0.13	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	1
Magnesium	53000	B	28	14	mg/Kg	✧	07/14/21 17:08	07/15/21 16:36	5
Manganese	380		0.57	0.082	mg/Kg	✧	07/14/21 17:08	07/19/21 16:25	1
Nickel	18		0.57	0.17	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	1
Potassium	1800		28	10	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	1
Selenium	<0.57		0.57	0.33	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	1
Silver	0.20	J	0.28	0.073	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	1
Sodium	500	B	57	8.4	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	1
Thallium	0.58		0.57	0.28	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	1
Vanadium	20		0.28	0.067	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	1
Zinc	51		1.1	0.50	mg/Kg	✧	07/14/21 17:08	07/15/21 14:55	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		07/14/21 13:20	07/15/21 10:24	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		07/15/21 10:00	07/16/21 09:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.019	0.0063	mg/Kg	✧	07/14/21 11:35	07/15/21 10:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.2	0.2	SU			07/14/21 19:25	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: BR-3(0-5)-070921

Lab Sample ID: 500-202128-19

Date Collected: 07/09/21 12:00

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0074	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Chloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00059	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00059	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Trichloroethene	0.0017		0.0017	0.00057	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	☼	07/10/21 16:09	07/18/21 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		75 - 131	07/10/21 16:09	07/18/21 19:28	1
Dibromofluoromethane	108		75 - 126	07/10/21 16:09	07/18/21 19:28	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	07/10/21 16:09	07/18/21 19:28	1
Toluene-d8 (Surr)	97		75 - 124	07/10/21 16:09	07/18/21 19:28	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	☼	07/16/21 00:27	07/17/21 17:25	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	07/16/21 00:27	07/17/21 17:25	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	07/16/21 00:27	07/17/21 17:25	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	☼	07/16/21 00:27	07/17/21 17:25	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	☼	07/16/21 00:27	07/17/21 17:25	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: BR-3(0-5)-070921

Lab Sample ID: 500-202128-19

Date Collected: 07/09/21 12:00

Matrix: Solid

Date Received: 07/09/21 17:10

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	✳	07/16/21 00:27	07/17/21 17:25	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Dibenzofuran	<0.20		0.20	0.045	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Hexachlorocyclopentadiene	<0.78	*	0.78	0.22	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✳	07/16/21 00:27	07/17/21 17:25	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: BR-3(0-5)-070921

Lab Sample ID: 500-202128-19

Date Collected: 07/09/21 12:00

Matrix: Solid

Date Received: 07/09/21 17:10

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	<0.039		0.039	0.010	mg/Kg	☼	07/16/21 00:27	07/17/21 17:25	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	07/16/21 00:27	07/17/21 17:25	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	07/16/21 00:27	07/17/21 17:25	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	07/16/21 00:27	07/17/21 17:25	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	07/16/21 00:27	07/17/21 17:25	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	07/16/21 00:27	07/17/21 17:25	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	07/16/21 00:27	07/17/21 17:25	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	07/16/21 00:27	07/17/21 17:25	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	07/16/21 00:27	07/17/21 17:25	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	07/16/21 00:27	07/17/21 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	86		31 - 143	07/16/21 00:27	07/17/21 17:25	1
2-Fluorobiphenyl	95		43 - 145	07/16/21 00:27	07/17/21 17:25	1
2-Fluorophenol	95		31 - 166	07/16/21 00:27	07/17/21 17:25	1
Nitrobenzene-d5	80		37 - 147	07/16/21 00:27	07/17/21 17:25	1
Phenol-d5	92		30 - 153	07/16/21 00:27	07/17/21 17:25	1
Terphenyl-d14	94		42 - 157	07/16/21 00:27	07/17/21 17:25	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		07/14/21 18:10	07/15/21 15:57	1
Barium	0.36	J	0.50	0.050	mg/L		07/14/21 18:10	07/15/21 15:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/21 18:10	07/15/21 15:57	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		07/14/21 18:10	07/15/21 15:57	1
Chromium	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:57	1
Cobalt	0.012	J	0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:57	1
Copper	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:57	1
Iron	<0.40		0.40	0.20	mg/L		07/14/21 18:10	07/15/21 15:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/14/21 18:10	07/19/21 13:13	1
Manganese	4.0		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:57	1
Nickel	0.017	J	0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:57	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:10	07/15/21 15:57	1
Silver	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 15:57	1
Zinc	0.045	J	0.50	0.020	mg/L		07/14/21 18:10	07/15/21 15:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.046	J	0.050	0.010	mg/L		07/14/21 18:12	07/15/21 20:48	1
Barium	0.52		0.50	0.050	mg/L		07/14/21 18:12	07/15/21 20:48	1
Beryllium	0.0077		0.0040	0.0040	mg/L		07/14/21 18:12	07/15/21 20:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/21 18:12	07/15/21 20:48	1
Chromium	0.17		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:48	1
Cobalt	0.043		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:48	1
Copper	0.14		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:48	1
Iron	150		0.40	0.20	mg/L		07/14/21 18:12	07/15/21 20:48	1
Lead	0.10		0.0075	0.0075	mg/L		07/14/21 18:12	07/15/21 20:48	1
Manganese	0.93		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:48	1
Nickel	0.16		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 20:48	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:12	07/15/21 20:48	1

Euofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: BR-3(0-5)-070921

Lab Sample ID: 500-202128-19

Date Collected: 07/09/21 12:00

Matrix: Solid

Date Received: 07/09/21 17:10

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		07/14/21 18:12	07/15/21 20:48	1
Zinc	0.48	J	0.50	0.020	mg/L		07/14/21 18:12	07/15/21 20:48	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.58	J	1.1	0.22	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Arsenic	3.8		0.57	0.20	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Barium	41		0.57	0.065	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Beryllium	0.47		0.23	0.054	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Cadmium	0.097	J	0.11	0.021	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Calcium	83000	B	57	9.7	mg/Kg	☆	07/14/21 17:08	07/15/21 16:40	5
Chromium	12		0.57	0.28	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Cobalt	6.8		0.29	0.075	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Copper	14		0.57	0.16	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Iron	10000	B	11	6.0	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Lead	10		0.29	0.13	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Magnesium	34000	B	5.7	2.8	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Manganese	330		0.57	0.083	mg/Kg	☆	07/14/21 17:08	07/19/21 16:29	1
Nickel	17		0.57	0.17	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Potassium	1700		29	10	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Selenium	<0.57		0.57	0.34	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Silver	0.19	J	0.29	0.074	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Sodium	1100	B	57	8.5	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Thallium	0.47	J	0.57	0.29	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Vanadium	20		0.29	0.068	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	1
Zinc	42		1.1	0.50	mg/Kg	☆	07/14/21 17:08	07/15/21 14:59	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		07/15/21 10:00	07/16/21 08:38	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		07/15/21 10:00	07/16/21 09:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.019	0.0064	mg/Kg	☆	07/14/21 11:35	07/15/21 10:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.2	0.2	SU			07/14/21 19:30	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*3	ISTD response or retention time outside acceptable limits.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

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

Glossary

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

Eurofins TestAmerica, Chicago

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Glossary (Continued)

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

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Laboratory: Eurofins TestAmerica, Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Chain of Custody Record

529656



Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager A. Slesers		Site Contact T. Oberman		Date 7/9/21		COC No					
Company Name Weston		Tel/Email		Lab Contact R. Wright		Carrier		1 of 2 COCs					
Address 300 Plaza Circle		Analysis Turnaround Time											
City/State/Zip Mundelein IL 60060		<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 Standard						Sampler:			
Phone 224-864-7201		Fax								For Lab Use Only			
Project Name IDOT Job 22		Walk-in Client								Lab Sampling			
Site Volo IL		Job / SDG No								500-202128			
P O # 02056.016.022		500-202128 COC		Sample Specific Notes									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	SVOCs	Total Metals	TCC/SP/PL Metals	PH
1	VL-5(0-1)-070921	7/9/21	0835	G	S	5			X	X	X	X	
2	VL-5(0-1)-070921D		0835										
3	VL-4(0-1)-070921		0845										
4	VL-3(0-1)-070921		0905										
5	VL-2(0-1)-070921		0910										
6	VL-1(0-1)-070921		0920										
7	U2-2(0-1)-070921		0935										
8	U2-1(0-1)-070921		0940										
9	U1-1(0-1)-070921		0955										
10	U1-2(0-1)-070921		1005										
11	YM-1(0-1)-070921		1020										
12	YM-3(0-1)-070921		1045										
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:													
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd 3.6 4.2		Corr'd		Therm ID No					
Relinquished by Taylor Slesers		Company Weston		Date/Time 7/9/21 1440		Received by: [Signature]		Company ETA		Date/Time 7/9/21 1440			
Relinquished by [Signature]		Company ETA		Date/Time 7/9/21 1710		Received by: [Signature]		Company ETA		Date/Time 7/9/21 1710			
Relinquished by		Company		Date/Time		Received in Laboratory by		Company		Date/Time			

Chain of Custody Record

529655



Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager A. Siesers		Site Contact T. Oberman		Date 7/9/21		COC No					
Company Name Weston		Tel/Email		Lab Contact B. Wright		Carrier		2 of 2 COCs					
Address 300 Plaza Circle		Analysis Turnaround Time											
City/State/Zip Mundelein IL 60060		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day											
Phone 224-864-7201		Standard Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SNOGS Total Metals TCL/SLP Metals PH											
Fax													
Project Name DDT Job 22													
Site Volo IL													
PO# 02056.016.022		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix		# of Cont.		Job / SDG No	
												500-202/28 Sample Specific Notes	
13	YM-2(0-1)-070921	7/9/21	1030	G	S	5							
14	YM-2(0-1)-070921D		1030										
15	YM-4(0-1)-070921		1100										
16	YM-5(0-1)-070921		1110										
17	BR-1(0-5)-070921		1225										
18	BR-2(0-5)-070921		1215										
19	BR-3(0-5)-070921		1200										
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other													
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
<input checked="" type="checkbox"/> Non Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months							
Special Instructions/QC Requirements & Comments:													
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No							
Relinquished by [Signature]		Company Weston		Date/Time 7/9/21 1445		Received by [Signature]		Company ETA		Date/Time 7/9/21 1710			
Relinquished by [Signature]		Company ETA		Date/Time 7/9/21 1710		Received by [Signature]		Company ETA		Date/Time 7/9/21 1710			
Relinquished by		Company		Date/Time		Received in Laboratory by		Company		Date/Time			



Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 334: US12 / IL 59 (RAND RD) Office Phone Number, if available: _____

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

32000 BLOCK OF US 12 (ISGS SITE NO. 3551-9)

City: VOLO State: IL Zip Code: _____

County: Lake Township: _____

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

Latitude: 42.33288 Longitude: - 88.16888

(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.): 211

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):

LOCATION VL-1 THROUGH VL-4 WERE SAMPLED ADJACENT TO ISGS SITE No. 3551-9. SEE FIGURES 3-1 AND 3-2 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 IDs: 500-202128-1.

ALSO SEE FIGURES 4-1 AND 4-2 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:

12/10/2021
Date:



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

Summary Table of ISGS Site No. 3551-9
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US 12 / IL 59 (Rand Rd) - Over Fish Creek
Volo/Lakemoor, Lake County, Illinois

Location	VL-1	VL-2	VL-3	VL-4	Soil Reference Concentrations ^A
Sample Date	7/9/2021	7/9/2021	7/9/2021	7/9/2021	
Field Sample ID	VL-1(0-1)-070921	VL-2(0-1)-070921	VL-3(0-1)-070921	VL-4(0-1)-070921	
ISGS Site No.	3551-9	3551-9	3551-9	3551-9	
Laboratory pH	8.7	8.5	7.9	8.7	<6.25; >9.0
VOCs (mg/kg)					
1,1,1-Trichloroethane	0.00093 J	ND	ND	ND	---
Trichloroethene	0.003	0.00087 J	0.0015 J	ND	0.06
SVOCs (mg/kg)					
bis(2-Ethylhexyl)phthalate	0.15 J	0.14 J	0.26 J	NDJ	0.06
Butyl benzyl phthalate	NDJ	NDJ	0.095 J	NDJ	160
Chrysene	0.34 J	0.22 J	0.38 J	0.21 J	88
Di-N-Butyl phthalate	ND	0.099 J	ND	ND	160
Dibenzo(a,h)anthracene	0.091 J	0.062 J	0.099 J	0.058 J	0.09 / 0.2 / 0.42
Fluoranthene	0.5	0.32	0.54	0.37	3100
Fluorene	0.014 J	0.012 J	0.018 J	0.0092 J	560
Indeno(1,2,3-cd)pyrene	0.25 J	0.2 J	0.29 J	0.17 J	0.9 / 0.9 / 1.6
Phenanthrene	0.3	0.21	0.31	0.17	---
Pyrene	1.3 J	0.79 J	1.3 J	0.61 J	2300
Acenaphthene	0.012 J	0.0097 J	0.015 J	0.0085 J	570
Acenaphthylene	ND	ND	0.0057 J	ND	---
Anthracene	0.043	0.032 J	0.046	0.019 J	12000
Benzo(a)anthracene	0.29 J	0.18 J	0.32 J	0.15 J	0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.41 J	0.27 J	0.48 J	0.26 J	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.62 J	0.39 J	0.64 *3	0.42 J	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.27 J	0.22 J	0.38 J	0.19 J	---
Benzo(k)fluoranthene	0.21 J	0.17 J	0.25 J	0.13 J	9
Total Metals (mg/kg)					
Antimony, Total	0.68 J	0.75 J	0.77 J	0.64 J	5
Arsenic, Total	4.3	3.3	3.3	4.5	11.3 / 13.0
Barium, Total	71	41	59	50	1500
Beryllium, Total	0.42	0.4	0.34	0.48	22
Cadmium, Total	0.31	0.4	0.44	0.18	5.2
Calcium, Total	55000 B	84000 B	83000 B	66000 B	---
Chromium, Total	29	23	37	15	21
Cobalt, Total	7.1	5.1	4.3	6.2	20
Copper, Total	31	34	44	21	2900
Iron, Total	13000 B	16000 B	16000 B	12000 B	15000 / 15900
Lead, Total	160	120	72	240	107
Magnesium, Total	23000 B	46000 B	43000 B	26000 B	325000
Manganese, Total	630	340	390	380	630 / 636
Mercury, Total	0.015 J	0.018 J	0.02	0.016 J	0.89
Nickel, Total	15	15	14	15	100
Potassium, Total	890	1100	750	1100	---
Silver, Total	0.21 J	0.19 J	0.16 J	0.24 J	4.4
Sodium, Total	440 B	830 B	1000 B	460 B	---
Thallium, Total	1	0.57	0.5 J	0.78	2.6
Vanadium, Total	34	20	26	24	550
Zinc, Total	260	95	120	110	5100
TCLP Metals (mg/l)					
Arsenic, TCLP	ND	ND	ND	ND	0.05
Barium, TCLP	0.56	0.39 J	0.54	0.47 J	2
Beryllium, TCLP	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	0.002 J	0.0041 J	ND	0.005
Chromium, TCLP	ND	0.015 J	0.18	ND	0.1
Cobalt, TCLP	ND	ND	ND	ND	1
Copper, TCLP	ND	ND	0.018 J	ND	0.65
Iron, TCLP	ND	ND	0.81	0.23 J	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.41	0.05	0.57	0.11	0.15
Mercury, TCLP	ND	ND	ND	ND	0.002
Nickel, TCLP	ND	ND	0.097	ND	0.1
Silver, TCLP	ND	ND	ND	ND	0.05
Zinc, TCLP	0.37 J	0.062 J	0.13 J	0.093 J	5

Summary Table of ISGS Site No. 3551-9
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US 12 / IL 59 (Rand Rd) - Over Fish Creek
Volo/Lakemoor, Lake County, Illinois

Location	VL-1	VL-2	VL-3	VL-4	Soil Reference Concentrations ^A
Sample Date	7/9/2021	7/9/2021	7/9/2021	7/9/2021	
Field Sample ID	VL-1(0-1)-070921	VL-2(0-1)-070921	VL-3(0-1)-070921	VL-4(0-1)-070921	
ISGS Site No.	3551-9	3551-9	3551-9	3551-9	
SPLP Metals (mg/l)					
Arsenic, SPLP	0.029 J	ND	ND	0.02 J	0.05
Barium, SPLP	0.48 J	0.18 J	0.087 J	0.33 J	2
Beryllium, SPLP	0.0044	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.1	0.046	0.022 J	0.082	0.1
Cobalt, SPLP	0.02 J	ND	ND	0.015 J	1
Copper, SPLP	0.087	0.048	0.034	0.074	0.65
Iron, SPLP	87	35	14	65	5
Lead, SPLP	0.081	0.2	0.09	0.14	0.0075
Manganese, SPLP	1.1	0.35	0.14	0.61	0.15
Mercury, SPLP	ND	ND	ND	ND	0.002
Nickel, SPLP	0.084	0.039	0.015 J	0.067	0.1
Silver, SPLP	ND	ND	ND	ND	0.05
Zinc, SPLP	0.53	0.24 J	0.14 J	0.39 J	5

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

B - Constituent detected in the laboratory blank and investigative samples.

J - Estimated concentration.

ND - Constituent not detected above the reporting limit.

 Shaded values indicate concentration **exceeds** Reference Concentration.

ANALYTICAL REPORT

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

Laboratory Job ID: 500-202128-1

Client Project/Site: IDOT - Volo/Lakemoor - WO 022

For:

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

Attn: Mr. Andris Slesers



Authorized for release by:
7/20/2021 3:44:18 PM

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 - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: VL-4(0-1)-070921

Lab Sample ID: 500-202128-3

Date Collected: 07/09/21 08:45

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0078	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Carbon disulfide	<0.0045		0.0045	0.00093	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	07/10/21 16:09	07/16/21 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		75 - 131	07/10/21 16:09	07/16/21 16:48	1
Dibromofluoromethane	108		75 - 126	07/10/21 16:09	07/16/21 16:48	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 134	07/10/21 16:09	07/16/21 16:48	1
Toluene-d8 (Surr)	95		75 - 124	07/10/21 16:09	07/16/21 16:48	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	☼	07/16/21 00:27	07/19/21 16:19	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.043	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: VL-4(0-1)-070921

Lab Sample ID: 500-202128-3

Date Collected: 07/09/21 08:45

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.084	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
2-Chloronaphthalene	<0.18		0.18	0.041	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
2-Chlorophenol	<0.18		0.18	0.063	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
2-Methylnaphthalene	<0.074		0.074	0.0068	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
2-Nitrophenol	<0.36		0.36	0.087	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
3,3'-Dichlorobenzidine	<0.18	*3	0.18	0.051	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.29	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Acenaphthene	0.0085	J	0.036	0.0066	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Anthracene	0.019	J	0.036	0.0061	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Benzo[a]anthracene	0.15	*3	0.036	0.0049	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Benzo[a]pyrene	0.26	*3	0.036	0.0071	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Benzo[b]fluoranthene	0.42	*3	0.036	0.0079	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Benzo[g,h,i]perylene	0.19	*3	0.036	0.012	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Benzo[k]fluoranthene	0.13	*3	0.036	0.011	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Bis(2-ethylhexyl) phthalate	<0.18	*3	0.18	0.067	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Butyl benzyl phthalate	<0.18	*3	0.18	0.070	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Carbazole	<0.18		0.18	0.092	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Chrysene	0.21	*3	0.036	0.010	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Dibenz(a,h)anthracene	0.058	*3	0.036	0.0071	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Fluoranthene	0.37		0.036	0.0068	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Fluorene	0.0092	J	0.036	0.0052	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Hexachlorobutadiene	<0.18		0.18	0.058	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Hexachlorocyclopentadiene	<0.74	*-	0.74	0.21	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: VL-4(0-1)-070921

Lab Sample ID: 500-202128-3

Date Collected: 07/09/21 08:45

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 89.5

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	0.17	*3	0.036	0.0095	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Nitrobenzene	<0.036		0.036	0.0092	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Phenanthrene	0.17		0.036	0.0051	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Phenol	<0.18		0.18	0.082	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Pyrene	0.61	*3	0.036	0.0073	mg/Kg	☼	07/16/21 00:27	07/19/21 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	101		31 - 143				07/16/21 00:27	07/19/21 16:19	1
2-Fluorobiphenyl	101		43 - 145				07/16/21 00:27	07/19/21 16:19	1
2-Fluorophenol	101		31 - 166				07/16/21 00:27	07/19/21 16:19	1
Nitrobenzene-d5	86		37 - 147				07/16/21 00:27	07/19/21 16:19	1
Phenol-d5	99		30 - 153				07/16/21 00:27	07/19/21 16:19	1
Terphenyl-d14	216	S1+ *3	42 - 157				07/16/21 00:27	07/19/21 16:19	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		07/14/21 18:10	07/15/21 14:26	1
Barium	0.47	J	0.50	0.050	mg/L		07/14/21 18:10	07/15/21 14:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/21 18:10	07/15/21 14:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/21 18:10	07/15/21 14:26	1
Chromium	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:26	1
Cobalt	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:26	1
Copper	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:26	1
Iron	0.23	J	0.40	0.20	mg/L		07/14/21 18:10	07/15/21 14:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/14/21 18:10	07/15/21 14:26	1
Manganese	0.11		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:26	1
Nickel	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:26	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:10	07/15/21 14:26	1
Silver	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:26	1
Zinc	0.093	J	0.50	0.020	mg/L		07/14/21 18:10	07/15/21 14:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.020	J	0.050	0.010	mg/L		07/14/21 18:12	07/15/21 19:41	1
Barium	0.33	J	0.50	0.050	mg/L		07/14/21 18:12	07/15/21 19:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/21 18:12	07/15/21 19:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/21 18:12	07/15/21 19:41	1
Chromium	0.082		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:41	1
Cobalt	0.015	J	0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:41	1
Copper	0.074		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:41	1
Iron	65		0.40	0.20	mg/L		07/14/21 18:12	07/15/21 19:41	1
Lead	0.14		0.0075	0.0075	mg/L		07/14/21 18:12	07/15/21 19:41	1
Manganese	0.61		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:41	1
Nickel	0.067		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:41	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:12	07/15/21 19:41	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: VL-4(0-1)-070921

Lab Sample ID: 500-202128-3

Date Collected: 07/09/21 08:45

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 89.5

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		07/14/21 18:12	07/15/21 19:41	1
Zinc	0.39	J	0.50	0.020	mg/L		07/14/21 18:12	07/15/21 19:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.64	J	1.0	0.20	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Arsenic	4.5		0.52	0.18	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Barium	50		0.52	0.060	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Beryllium	0.48		0.21	0.049	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Cadmium	0.18		0.10	0.019	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Calcium	66000	B	52	8.8	mg/Kg	✧	07/14/21 17:08	07/15/21 15:39	5
Chromium	15		0.52	0.26	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Cobalt	6.2		0.26	0.068	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Copper	21		0.52	0.15	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Iron	12000	B	10	5.4	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Lead	240		0.26	0.12	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Magnesium	26000	B	5.2	2.6	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Manganese	380		0.52	0.076	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Nickel	15		0.52	0.15	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Potassium	1100		26	9.2	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Selenium	<0.52		0.52	0.31	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Silver	0.24	J	0.26	0.067	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Sodium	460	B	52	7.7	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Thallium	0.78		0.52	0.26	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Vanadium	24		0.26	0.062	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	1
Zinc	110		1.0	0.46	mg/Kg	✧	07/14/21 17:08	07/15/21 12:53	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		07/14/21 13:20	07/15/21 09:45	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		07/15/21 10:00	07/16/21 09:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.018	0.0060	mg/Kg	✧	07/14/21 11:35	07/15/21 09:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.2	0.2	SU			07/14/21 18:44	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: VL-3(0-1)-070921

Lab Sample ID: 500-202128-4

Date Collected: 07/09/21 09:05

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0085	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Benzene	<0.0020		0.0020	0.00050	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Bromoform	<0.0020		0.0020	0.00057	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Bromomethane	<0.0049		0.0049	0.0019	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Carbon disulfide	<0.0049		0.0049	0.0010	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Carbon tetrachloride	<0.0020		0.0020	0.00057	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Chlorobenzene	<0.0020		0.0020	0.00072	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Chloroethane	<0.0049		0.0049	0.0015	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Chloroform	<0.0020		0.0020	0.00068	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Chloromethane	<0.0049		0.0049	0.0020	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00059	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Dibromochloromethane	<0.0020		0.0020	0.00064	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
1,1-Dichloroethane	<0.0020		0.0020	0.00067	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
1,1-Dichloroethene	<0.0020		0.0020	0.00067	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00069	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Ethylbenzene	<0.0020		0.0020	0.00094	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Methylene Chloride	<0.0049		0.0049	0.0019	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Methyl Ethyl Ketone	<0.0049		0.0049	0.0022	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
methyl isobutyl ketone	<0.0049		0.0049	0.0015	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00058	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Styrene	<0.0020		0.0020	0.00059	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00063	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Tetrachloroethene	<0.0020		0.0020	0.00067	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Toluene	<0.0020		0.0020	0.00049	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00087	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00069	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00066	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00084	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Trichloroethene	0.0015	J	0.0020	0.00066	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Vinyl chloride	<0.0020		0.0020	0.00087	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1
Xylenes, Total	<0.0039		0.0039	0.00063	mg/Kg	✱	07/10/21 16:09	07/16/21 17:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		75 - 131	07/10/21 16:09	07/16/21 17:13	1
Dibromofluoromethane	106		75 - 126	07/10/21 16:09	07/16/21 17:13	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	07/10/21 16:09	07/16/21 17:13	1
Toluene-d8 (Surr)	99		75 - 124	07/10/21 16:09	07/16/21 17:13	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	✱	07/16/21 00:27	07/19/21 17:07	1
1,2-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	✱	07/16/21 00:27	07/19/21 17:07	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	✱	07/16/21 00:27	07/19/21 17:07	1
1,4-Dichlorobenzene	<0.19		0.19	0.047	mg/Kg	✱	07/16/21 00:27	07/19/21 17:07	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	✱	07/16/21 00:27	07/19/21 17:07	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: VL-3(0-1)-070921

Lab Sample ID: 500-202128-4

Date Collected: 07/09/21 09:05

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 87.0

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	☼	07/16/21 00:27	07/19/21 17:07	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
2-Chlorophenol	<0.19		0.19	0.063	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
2-Methylnaphthalene	<0.074		0.074	0.0068	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
2-Methylphenol	<0.19		0.19	0.059	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
2-Nitrophenol	<0.37		0.37	0.087	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
3,3'-Dichlorobenzidine	<0.19	*3	0.19	0.052	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
3-Nitroaniline	<0.37		0.37	0.11	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.043	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
4-Nitroaniline	<0.37		0.37	0.15	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Acenaphthene	0.015	J	0.037	0.0066	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Acenaphthylene	0.0057	J	0.037	0.0049	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Anthracene	0.046		0.037	0.0062	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Benzo[a]anthracene	0.32	*3	0.037	0.0050	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Benzo[a]pyrene	0.48	*3	0.037	0.0071	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Benzo[b]fluoranthene	0.64	*3	0.037	0.0080	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Benzo[g,h,i]perylene	0.38	*3	0.037	0.012	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Benzo[k]fluoranthene	0.25	*3	0.037	0.011	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.055	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Bis(2-ethylhexyl) phthalate	0.26	*3	0.19	0.067	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Butyl benzyl phthalate	0.095	J *3	0.19	0.070	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Carbazole	<0.19		0.19	0.092	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Chrysene	0.38	*3	0.037	0.010	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Dibenz(a,h)anthracene	0.099	*3	0.037	0.0071	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Dibenzofuran	<0.19		0.19	0.043	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Dimethyl phthalate	<0.19		0.19	0.048	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Di-n-butyl phthalate	<0.19		0.19	0.056	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Di-n-octyl phthalate	<0.19		0.19	0.060	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Fluoranthene	0.54		0.037	0.0068	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Fluorene	0.018	J	0.037	0.0052	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Hexachlorobenzene	<0.074		0.074	0.0086	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Hexachlorobutadiene	<0.19		0.19	0.058	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Hexachlorocyclopentadiene	<0.74	*-	0.74	0.21	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Hexachloroethane	<0.19		0.19	0.056	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: VL-3(0-1)-070921

Lab Sample ID: 500-202128-4

Date Collected: 07/09/21 09:05

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 87.0

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	0.29	*3	0.037	0.0096	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Isophorone	<0.19		0.19	0.041	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Nitrobenzene	<0.037		0.037	0.0092	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Phenanthrene	0.31		0.037	0.0051	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Phenol	<0.19		0.19	0.082	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Pyrene	1.3	*3	0.037	0.0073	mg/Kg	☼	07/16/21 00:27	07/19/21 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	68		31 - 143				07/16/21 00:27	07/19/21 17:07	1
2-Fluorobiphenyl	71		43 - 145				07/16/21 00:27	07/19/21 17:07	1
2-Fluorophenol	82		31 - 166				07/16/21 00:27	07/19/21 17:07	1
Nitrobenzene-d5	63		37 - 147				07/16/21 00:27	07/19/21 17:07	1
Phenol-d5	73		30 - 153				07/16/21 00:27	07/19/21 17:07	1
Terphenyl-d14	180	S1+ *3	42 - 157				07/16/21 00:27	07/19/21 17:07	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		07/14/21 18:10	07/15/21 14:30	1
Barium	0.54		0.50	0.050	mg/L		07/14/21 18:10	07/15/21 14:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/21 18:10	07/15/21 14:30	1
Cadmium	0.0041	J	0.0050	0.0020	mg/L		07/14/21 18:10	07/15/21 14:30	1
Chromium	0.18		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:30	1
Cobalt	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:30	1
Copper	0.018	J	0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:30	1
Iron	0.81		0.40	0.20	mg/L		07/14/21 18:10	07/15/21 14:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/14/21 18:10	07/15/21 14:30	1
Manganese	0.57		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:30	1
Nickel	0.097		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:30	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:10	07/15/21 14:30	1
Silver	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:30	1
Zinc	0.13	J	0.50	0.020	mg/L		07/14/21 18:10	07/15/21 14:30	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		07/14/21 18:12	07/15/21 19:44	1
Barium	0.087	J	0.50	0.050	mg/L		07/14/21 18:12	07/15/21 19:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/21 18:12	07/15/21 19:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/21 18:12	07/15/21 19:44	1
Chromium	0.022	J	0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:44	1
Cobalt	<0.025		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:44	1
Copper	0.034		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:44	1
Iron	14		0.40	0.20	mg/L		07/14/21 18:12	07/15/21 19:44	1
Lead	0.090		0.0075	0.0075	mg/L		07/14/21 18:12	07/15/21 19:44	1
Manganese	0.14		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:44	1
Nickel	0.015	J	0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:44	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:12	07/15/21 19:44	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: VL-3(0-1)-070921

Lab Sample ID: 500-202128-4

Date Collected: 07/09/21 09:05

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 87.0

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		07/14/21 18:12	07/15/21 19:44	1
Zinc	0.14	J	0.50	0.020	mg/L		07/14/21 18:12	07/15/21 19:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.77	J	1.1	0.21	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Arsenic	3.3		0.54	0.18	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Barium	59		0.54	0.061	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Beryllium	0.34		0.21	0.050	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Cadmium	0.44		0.11	0.019	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Calcium	83000	B	54	9.1	mg/Kg	✧	07/14/21 17:08	07/15/21 15:42	5
Chromium	37		0.54	0.27	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Cobalt	4.3		0.27	0.070	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Copper	44		0.54	0.15	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Iron	16000	B	54	28	mg/Kg	✧	07/14/21 17:08	07/15/21 15:42	5
Lead	72		0.27	0.12	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Magnesium	43000	B	27	13	mg/Kg	✧	07/14/21 17:08	07/15/21 15:42	5
Manganese	390		0.54	0.078	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Nickel	14		0.54	0.16	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Potassium	750		27	9.5	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Selenium	<0.54		0.54	0.32	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Silver	0.16	J	0.27	0.069	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Sodium	1000	B	54	8.0	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Thallium	0.50	J	0.54	0.27	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Vanadium	26		0.27	0.063	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	1
Zinc	120		1.1	0.47	mg/Kg	✧	07/14/21 17:08	07/15/21 12:56	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		07/14/21 13:20	07/15/21 09:48	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		07/15/21 10:00	07/16/21 09:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.017	0.0058	mg/Kg	✧	07/14/21 11:35	07/15/21 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.9		0.2	0.2	SU			07/14/21 18:47	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: VL-2(0-1)-070921

Lab Sample ID: 500-202128-5

Date Collected: 07/09/21 09:10

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0079	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Carbon tetrachloride	<0.0018		0.0018	0.00053	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00051	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00055	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
1,1-Dichloroethene	<0.0018		0.0018	0.00063	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00064	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Ethylbenzene	<0.0018		0.0018	0.00087	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Styrene	<0.0018		0.0018	0.00055	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Tetrachloroethene	<0.0018		0.0018	0.00062	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00064	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00061	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00078	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Trichloroethene	0.00087	J	0.0018	0.00061	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	✳	07/10/21 16:09	07/16/21 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		75 - 131	07/10/21 16:09	07/16/21 17:38	1
Dibromofluoromethane	106		75 - 126	07/10/21 16:09	07/16/21 17:38	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 134	07/10/21 16:09	07/16/21 17:38	1
Toluene-d8 (Surr)	97		75 - 124	07/10/21 16:09	07/16/21 17:38	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	0.040	mg/Kg	✳	07/16/21 00:27	07/19/21 17:55	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✳	07/16/21 00:27	07/19/21 17:55	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	✳	07/16/21 00:27	07/19/21 17:55	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	✳	07/16/21 00:27	07/19/21 17:55	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✳	07/16/21 00:27	07/19/21 17:55	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: VL-2(0-1)-070921

Lab Sample ID: 500-202128-5

Date Collected: 07/09/21 09:10

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 86.7

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	☼	07/16/21 00:27	07/19/21 17:55	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
3,3'-Dichlorobenzidine	<0.19	*3	0.19	0.053	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Acenaphthene	0.0097	J	0.037	0.0068	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Anthracene	0.032	J	0.037	0.0063	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Benzo[a]anthracene	0.18	*3	0.037	0.0051	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Benzo[a]pyrene	0.27	*3	0.037	0.0073	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Benzo[b]fluoranthene	0.39	*3	0.037	0.0081	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Benzo[g,h,i]perylene	0.22	*3	0.037	0.012	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Benzo[k]fluoranthene	0.17	*3	0.037	0.011	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Bis(2-ethylhexyl) phthalate	0.14	J *3	0.19	0.069	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Butyl benzyl phthalate	<0.19	*3	0.19	0.071	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Chrysene	0.22	*3	0.037	0.010	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Dibenz(a,h)anthracene	0.062	*3	0.037	0.0073	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Di-n-butyl phthalate	0.099	J	0.19	0.057	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Fluoranthene	0.32		0.037	0.0070	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Fluorene	0.012	J	0.037	0.0053	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Hexachlorocyclopentadiene	<0.76	*-	0.76	0.22	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: VL-2(0-1)-070921

Lab Sample ID: 500-202128-5

Date Collected: 07/09/21 09:10

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 86.7

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	0.20	*3	0.037	0.0097	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Phenanthrene	0.21		0.037	0.0052	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Phenol	<0.19		0.19	0.083	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Pyrene	0.79	*3	0.037	0.0075	mg/Kg	☼	07/16/21 00:27	07/19/21 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	67		31 - 143				07/16/21 00:27	07/19/21 17:55	1
2-Fluorobiphenyl	71		43 - 145				07/16/21 00:27	07/19/21 17:55	1
2-Fluorophenol	78		31 - 166				07/16/21 00:27	07/19/21 17:55	1
Nitrobenzene-d5	62		37 - 147				07/16/21 00:27	07/19/21 17:55	1
Phenol-d5	69		30 - 153				07/16/21 00:27	07/19/21 17:55	1
Terphenyl-d14	180	S1+ *3	42 - 157				07/16/21 00:27	07/19/21 17:55	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		07/14/21 18:10	07/15/21 14:33	1
Barium	0.39	J	0.50	0.050	mg/L		07/14/21 18:10	07/15/21 14:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/21 18:10	07/15/21 14:33	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		07/14/21 18:10	07/15/21 14:33	1
Chromium	0.015	J	0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:33	1
Cobalt	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:33	1
Copper	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:33	1
Iron	<0.40		0.40	0.20	mg/L		07/14/21 18:10	07/15/21 14:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/14/21 18:10	07/15/21 14:33	1
Manganese	0.050		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:33	1
Nickel	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:33	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:10	07/15/21 14:33	1
Silver	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:33	1
Zinc	0.062	J	0.50	0.020	mg/L		07/14/21 18:10	07/15/21 14:33	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		07/14/21 18:12	07/15/21 19:47	1
Barium	0.18	J	0.50	0.050	mg/L		07/14/21 18:12	07/15/21 19:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/21 18:12	07/15/21 19:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/21 18:12	07/15/21 19:47	1
Chromium	0.046		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:47	1
Cobalt	<0.025		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:47	1
Copper	0.048		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:47	1
Iron	35		0.40	0.20	mg/L		07/14/21 18:12	07/15/21 19:47	1
Lead	0.20		0.0075	0.0075	mg/L		07/14/21 18:12	07/15/21 19:47	1
Manganese	0.35		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:47	1
Nickel	0.039		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:47	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:12	07/15/21 19:47	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: VL-2(0-1)-070921

Lab Sample ID: 500-202128-5

Date Collected: 07/09/21 09:10

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 86.7

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		07/14/21 18:12	07/15/21 19:47	1
Zinc	0.24	J	0.50	0.020	mg/L		07/14/21 18:12	07/15/21 19:47	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.75	J	1.1	0.22	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Arsenic	3.3		0.56	0.19	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Barium	41		0.56	0.064	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Beryllium	0.40		0.22	0.052	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Cadmium	0.40		0.11	0.020	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Calcium	84000	B	56	9.5	mg/Kg	✱	07/14/21 17:08	07/15/21 15:45	5
Chromium	23		0.56	0.28	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Cobalt	5.1		0.28	0.073	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Copper	34		0.56	0.16	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Iron	16000	B	56	29	mg/Kg	✱	07/14/21 17:08	07/15/21 15:45	5
Lead	120		0.28	0.13	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Magnesium	46000	B	28	14	mg/Kg	✱	07/14/21 17:08	07/15/21 15:45	5
Manganese	340		0.56	0.081	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Nickel	15		0.56	0.16	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Potassium	1100		28	9.9	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Selenium	<0.56		0.56	0.33	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Silver	0.19	J	0.28	0.072	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Sodium	830	B	56	8.3	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Thallium	0.57		0.56	0.28	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Vanadium	20		0.28	0.066	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	1
Zinc	95		1.1	0.49	mg/Kg	✱	07/14/21 17:08	07/15/21 13:00	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		07/14/21 13:20	07/15/21 09:50	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		07/15/21 10:00	07/16/21 09:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.019	0.0062	mg/Kg	✱	07/14/21 11:35	07/15/21 09:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.5		0.2	0.2	SU			07/14/21 18:49	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: VL-1(0-1)-070921

Lab Sample ID: 500-202128-6

Date Collected: 07/09/21 09:20

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0089	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Benzene	<0.0020		0.0020	0.00052	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Bromodichloromethane	<0.0020		0.0020	0.00041	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Bromoform	<0.0020		0.0020	0.00059	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Bromomethane	<0.0051		0.0051	0.0019	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Carbon disulfide	<0.0051		0.0051	0.0011	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Carbon tetrachloride	<0.0020		0.0020	0.00059	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Chlorobenzene	<0.0020		0.0020	0.00075	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Chloroethane	<0.0051		0.0051	0.0015	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Chloroform	<0.0020		0.0020	0.00071	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Chloromethane	<0.0051		0.0051	0.0020	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00057	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00061	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Dibromochloromethane	<0.0020		0.0020	0.00067	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
1,1-Dichloroethane	<0.0020		0.0020	0.00070	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
1,2-Dichloroethane	<0.0051		0.0051	0.0016	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
1,1-Dichloroethene	<0.0020		0.0020	0.00070	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
1,2-Dichloropropane	<0.0020		0.0020	0.00053	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00071	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Ethylbenzene	<0.0020		0.0020	0.00097	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
2-Hexanone	<0.0051		0.0051	0.0016	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Methylene Chloride	<0.0051		0.0051	0.0020	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Methyl Ethyl Ketone	<0.0051		0.0051	0.0023	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
methyl isobutyl ketone	<0.0051		0.0051	0.0015	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00060	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Styrene	<0.0020		0.0020	0.00061	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00065	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Tetrachloroethene	<0.0020		0.0020	0.00069	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Toluene	<0.0020		0.0020	0.00051	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00090	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00071	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
1,1,1-Trichloroethane	0.00093	J	0.0020	0.00068	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00087	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Trichloroethene	0.0030		0.0020	0.00069	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Vinyl chloride	<0.0020		0.0020	0.00090	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1
Xylenes, Total	<0.0041		0.0041	0.00065	mg/Kg	✱	07/10/21 16:09	07/18/21 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		75 - 131	07/10/21 16:09	07/18/21 16:05	1
Dibromofluoromethane	106		75 - 126	07/10/21 16:09	07/18/21 16:05	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	07/10/21 16:09	07/18/21 16:05	1
Toluene-d8 (Surr)	96		75 - 124	07/10/21 16:09	07/18/21 16:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.040	mg/Kg	✱	07/16/21 00:27	07/19/21 18:18	1
1,2-Dichlorobenzene	<0.18		0.18	0.044	mg/Kg	✱	07/16/21 00:27	07/19/21 18:18	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	✱	07/16/21 00:27	07/19/21 18:18	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	✱	07/16/21 00:27	07/19/21 18:18	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.043	mg/Kg	✱	07/16/21 00:27	07/19/21 18:18	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: VL-1(0-1)-070921

Lab Sample ID: 500-202128-6

Date Collected: 07/09/21 09:20

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.084	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
2,4,6-Trichlorophenol	<0.36		0.36	0.13	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
2,4-Dichlorophenol	<0.36		0.36	0.087	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
2,4-Dinitrophenol	<0.74		0.74	0.65	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
2,6-Dinitrotoluene	<0.18		0.18	0.072	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
2-Chloronaphthalene	<0.18		0.18	0.041	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
2-Chlorophenol	<0.18		0.18	0.063	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
2-Methylnaphthalene	<0.074		0.074	0.0068	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
2-Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
2-Nitrophenol	<0.36		0.36	0.087	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
3,3'-Dichlorobenzidine	<0.18	*3	0.18	0.051	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
4,6-Dinitro-2-methylphenol	<0.74		0.74	0.30	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
4-Chloroaniline	<0.74		0.74	0.17	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.043	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
4-Nitrophenol	<0.74		0.74	0.35	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Acenaphthene	0.012	J	0.036	0.0066	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Anthracene	0.043		0.036	0.0061	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Benzo[a]anthracene	0.29	*3	0.036	0.0049	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Benzo[a]pyrene	0.41	*3	0.036	0.0071	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Benzo[b]fluoranthene	0.62	*3	0.036	0.0079	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Benzo[g,h,i]perylene	0.27	*3	0.036	0.012	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Benzo[k]fluoranthene	0.21	*3	0.036	0.011	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Bis(2-ethylhexyl) phthalate	0.15	J *3	0.18	0.067	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Butyl benzyl phthalate	<0.18	*3	0.18	0.070	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Carbazole	<0.18		0.18	0.092	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Chrysene	0.34	*3	0.036	0.010	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Dibenz(a,h)anthracene	0.091	*3	0.036	0.0071	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Di-n-butyl phthalate	<0.18		0.18	0.056	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Di-n-octyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Fluoranthene	0.50		0.036	0.0068	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Fluorene	0.014	J	0.036	0.0052	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Hexachlorobenzene	<0.074		0.074	0.0085	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Hexachlorobutadiene	<0.18		0.18	0.058	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Hexachlorocyclopentadiene	<0.74	*-	0.74	0.21	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Hexachloroethane	<0.18		0.18	0.056	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: VL-1(0-1)-070921

Lab Sample ID: 500-202128-6

Date Collected: 07/09/21 09:20

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 89.0

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	0.25	*3	0.036	0.0095	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Naphthalene	<0.036		0.036	0.0057	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Nitrobenzene	<0.036		0.036	0.0092	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
N-Nitrosodi-n-propylamine	<0.074		0.074	0.045	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Pentachlorophenol	<0.74		0.74	0.59	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Phenanthrene	0.30		0.036	0.0051	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Phenol	<0.18		0.18	0.082	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Pyrene	1.3	*3	0.036	0.0073	mg/Kg	☼	07/16/21 00:27	07/19/21 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		31 - 143				07/16/21 00:27	07/19/21 18:18	1
2-Fluorobiphenyl	68		43 - 145				07/16/21 00:27	07/19/21 18:18	1
2-Fluorophenol	78		31 - 166				07/16/21 00:27	07/19/21 18:18	1
Nitrobenzene-d5	59		37 - 147				07/16/21 00:27	07/19/21 18:18	1
Phenol-d5	70		30 - 153				07/16/21 00:27	07/19/21 18:18	1
Terphenyl-d14	173	S1+ *3	42 - 157				07/16/21 00:27	07/19/21 18:18	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		07/14/21 18:10	07/15/21 14:37	1
Barium	0.56		0.50	0.050	mg/L		07/14/21 18:10	07/15/21 14:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/21 18:10	07/15/21 14:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/21 18:10	07/15/21 14:37	1
Chromium	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:37	1
Cobalt	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:37	1
Copper	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:37	1
Iron	<0.40		0.40	0.20	mg/L		07/14/21 18:10	07/15/21 14:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/14/21 18:10	07/15/21 14:37	1
Manganese	0.41		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:37	1
Nickel	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:37	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:10	07/15/21 14:37	1
Silver	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:37	1
Zinc	0.37	J	0.50	0.020	mg/L		07/14/21 18:10	07/15/21 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.029	J	0.050	0.010	mg/L		07/14/21 18:12	07/15/21 19:51	1
Barium	0.48	J	0.50	0.050	mg/L		07/14/21 18:12	07/15/21 19:51	1
Beryllium	0.0044		0.0040	0.0040	mg/L		07/14/21 18:12	07/15/21 19:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/21 18:12	07/15/21 19:51	1
Chromium	0.10		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:51	1
Cobalt	0.020	J	0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:51	1
Copper	0.087		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:51	1
Iron	87		0.40	0.20	mg/L		07/14/21 18:12	07/15/21 19:51	1
Lead	0.081		0.0075	0.0075	mg/L		07/14/21 18:12	07/15/21 19:51	1
Manganese	1.1		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:51	1
Nickel	0.084		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:51	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:12	07/15/21 19:51	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: VL-1(0-1)-070921

Lab Sample ID: 500-202128-6

Date Collected: 07/09/21 09:20

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 89.0

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		07/14/21 18:12	07/15/21 19:51	1
Zinc	0.53		0.50	0.020	mg/L		07/14/21 18:12	07/15/21 19:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.68	J	1.1	0.22	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Arsenic	4.3		0.56	0.19	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Barium	71		0.56	0.064	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Beryllium	0.42		0.22	0.052	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Cadmium	0.31		0.11	0.020	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Calcium	55000	B	56	9.5	mg/Kg	✧	07/14/21 17:08	07/15/21 15:49	5
Chromium	29		0.56	0.28	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Cobalt	7.1		1.4	0.37	mg/Kg	✧	07/14/21 17:08	07/15/21 15:49	5
Copper	31		0.56	0.16	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Iron	13000	B	11	5.8	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Lead	160		0.28	0.13	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Magnesium	23000	B	5.6	2.8	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Manganese	630		0.56	0.081	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Nickel	15		0.56	0.16	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Potassium	890		28	9.9	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Selenium	<0.56		0.56	0.33	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Silver	0.21	J	0.28	0.072	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Sodium	440	B	56	8.3	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Thallium	1.0		0.56	0.28	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Vanadium	34		0.28	0.066	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	1
Zinc	260		1.1	0.49	mg/Kg	✧	07/14/21 17:08	07/15/21 13:03	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		07/14/21 13:20	07/15/21 09:52	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		07/15/21 10:00	07/16/21 09:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.018	0.0059	mg/Kg	✧	07/14/21 11:35	07/15/21 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7		0.2	0.2	SU			07/14/21 18:52	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*3	ISTD response or retention time outside acceptable limits.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

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

Glossary

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

Eurofins TestAmerica, Chicago

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Glossary (Continued)

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

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Laboratory: Eurofins TestAmerica, Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Chain of Custody Record

529656



Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager A. Slesers		Site Contact T. Oberman		Date 7/9/21		COC No	
Company Name Weston		Tel/Email		Lab Contact R. Wright		Carrier		1 of 2 COCs	
Address 300 Plaza Circle		Analysis Turnaround Time							
City/State/Zip Mundelein IL 60060		<input type="checkbox"/> CALENDAR DAYS		<input type="checkbox"/> WORKING DAYS		 500-202128 COC		Sampler:	
Phone 224-864-7201		<input type="checkbox"/> TAT if different from Below _____		For Lab Use Only Walk-in Client <input type="checkbox"/> Lab Sampling <input type="checkbox"/>					
Fax		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Job / SDG No 500-202128 Sample Specific Notes					
Project Name IDOT Job 22		Standard							
Site Volo IL		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		# of Cont.	
P O # 02056.016.022									

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	SVOCs	Total Metals	TCC/SP/PL Metals	PH
1 VL-5(0-1)-070921	7/9/21	0835	G	S	5			X	X	X	X	
2 VL-5(0-1)-070921D		0835										
3 VL-4(0-1)-070921		0845										
4 VL-3(0-1)-070921		0905										
5 VL-2(0-1)-070921		0910										
6 VL-1(0-1)-070921		0920										
7 U2-2(0-1)-070921		0935										
8 U2-1(0-1)-070921		0940										
9 U1-1(0-1)-070921		0955										
10 U1-2(0-1)-070921		1005										
11 YM-1(0-1)-070921		1020										
12 YM-3(0-1)-070921		1045										

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

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

Non Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact Yes No

Custody Seal No _____ Cooler Temp (°C) Obs'd **3.0** / **4.2** Corr'd _____ Therm ID No _____

Relinquished by Taylor Slesers	Company Weston	Date/Time 7/9/21 1440	Received by: [Signature]	Company ETA	Date/Time 7/9/21 1440
Relinquished by [Signature]	Company ETA	Date/Time 7/9/21 1710	Received by: [Signature]	Company ETA	Date/Time 7/9/21 1710
Relinquished by _____	Company _____	Date/Time _____	Received in Laboratory by _____	Company _____	Date/Time _____

Chain of Custody Record

529655



Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager A. Siesers		Site Contact T. Oberman		Date 7/9/21		COC No																																																																																																									
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Sample Specific Notes																																																																																																																	
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Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 334: US12 / IL 59 (RAND RD) Office Phone Number, if available: _____

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

West side of IL 59 - Rand Road, Unknown Property 2 (ISGS SITE NO. N/A)

City: Volo State: IL Zip Code: _____

County: Lake Township: _____

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

Latitude: 42.32987 Longitude: - 88.16671

(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.): 25

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: Illinois Department of Transportation

Street Address: 201 W. Center Court

Street Address: 201 W. Center Court

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: Schaumburg State: IL

Zip Code: 60196 Phone: _____

Zip Code: 60196 Phone: _____

Contact: Irma Romiti-Johnson

Contact: Irma Romiti-Johnson

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

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 U2-1 AND U2-2 WERE SAMPLED ADJACENT TO ISGS SITE No. NA. SEE FIGURE 3-1 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: 500-202128-1.
ALSO SEE FIGURE 4-1 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.

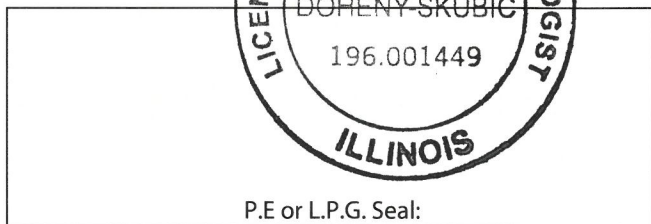
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

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:

12/10/2021
Date:



Summary Table of Unknown Property 2 (ISGS Site No. N/A)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US 12 / IL 59 (Rand Rd) - Over Fish Creek
Volo/Lakemoor, Lake County, Illinois

Location	U2-1	U2-2	Soil Reference Concentrations ^A
Sample Date	7/9/2021	7/9/2021	
Field Sample ID	U2-1(0-1)-070921	U2-2(0-1)-070921	
ISGS Site No.	NA	NA	
Laboratory pH	8.9	9.0	<6.25; >9.0
VOCs (mg/kg)			
Trichloroethene	0.00062 J	0.00073 J	0.06
SVOCs (mg/kg)			
Anthracene	ND	0.012 J	12000
Benzo(a)anthracene	0.039	0.069	0.9 / 1.1 / 1.8
Benzo(a)pyrene	0.067	0.13 J	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	0.11	0.24 J	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	0.029 J	0.06 J	---
Benzo(k)fluoranthene	0.031 J	0.05 J	9
bis(2-Ethylhexyl)phthalate	ND	0.079 J	46
Chrysene	0.049	0.094	88
Dibenzo(a,h)anthracene	ND	ND	0.09 / 0.2 / 0.42
Fluoranthene	0.088	0.19	3100
Fluorene	ND	ND	560
Indeno(1,2,3-cd)pyrene	0.029 J	0.063 J	0.9 / 0.9 / 1.6
Phenanthrene	0.028 J	0.07	---
Pyrene	0.066	0.22	2300
Total Metals (mg/kg)			
Antimony, Total	0.74 J	0.51 J	5
Arsenic, Total	5.2	4.8	11.3 / 13
Barium, Total	57	39	1500
Beryllium, Total	0.46	0.35	22
Cadmium, Total	0.11	0.22	5.2
Calcium, Total	60000 B	84000 B	---
Chromium, Total	14	14	21
Cobalt, Total	6.9	5.3	20
Copper, Total	20	20	2900
Iron, Total	14000 B	16000 B	15000 / 15900
Lead, Total	22	42	107
Magnesium, Total	24000 B	45000 B	325000
Manganese, Total	410	370	630 / 636
Mercury, Total	0.018	0.016 J	0.89
Nickel, Total	17	15	100
Potassium, Total	1100	720	---
Selenium, Total	ND	ND	1.3
Silver, Total	0.18 J	0.17 J	4.4
Sodium, Total	390 B	550 B	---
Thallium, Total	0.75	0.4 J	2.6
Vanadium, Total	20	20	550
Zinc, Total	79	68	5100
TCLP Metals (mg/l)			
Arsenic, TCLP	ND	ND	0.05
Barium, TCLP	0.53	0.43 J	2.0
Beryllium, TCLP	ND	ND	0.004
Cadmium, TCLP	ND	ND	0.005
Chromium, TCLP	ND	ND	0.1
Cobalt, TCLP	ND	ND	1.00
Copper, TCLP	ND	ND	0.65
Iron, TCLP	ND	ND	5.0
Lead, TCLP	ND	ND	0.0075
Manganese, TCLP	0.066	0.072	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	0.044 J	0.032 J	5.0

Summary Table of Unknown Property 2 (ISGS Site No. N/A)
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 334: US 12 / IL 59 (Rand Rd) - Over Fish Creek
Volo/Lakemoor, Lake County, Illinois

SPLP Metals (mg/l)			
Arsenic, SPLP	0.027 J	0.021 J	0.05
Barium, SPLP	0.36 J	0.28 J	2.0
Beryllium, SPLP	ND	ND	0.004
Cadmium, SPLP	ND	ND	0.005
Chromium, SPLP	0.081	0.063	0.1
Cobalt, SPLP	0.017 J	0.013 J	1.0
Copper, SPLP	0.071	0.062	0.65
Iron, SPLP	69	50	5.0
Lead, SPLP	0.06	0.097	0.0075
Manganese, SPLP	0.67 J	0.71	0.15
Mercury, SPLP	ND	ND	0.002
Nickel, SPLP	0.068	0.05	0.1
Selenium, SPLP	ND	ND	0.05
Silver, SPLP	ND	ND	0.05
Zinc, SPLP	0.35 J	0.26 J	5.0

Notes:

--- - not applicable or value not available.

^ - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

B - Constituent detected in the laboratory blank and investigative samples.

J - Estimated concentration.

ND - Constituent not detected above the reporting limit.

Shaded values indicate concentration **exceeds** Reference Concentration.

ANALYTICAL REPORT

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

Laboratory Job ID: 500-202128-1

Client Project/Site: IDOT - Volo/Lakemoor - WO 022

For:

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

Attn: Mr. Andris Slesers



Authorized for release by:
7/20/2021 3:44:18 PM

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 - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: U2-2(0-1)-070921

Lab Sample ID: 500-202128-7

Date Collected: 07/09/21 09:35

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0072	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Bromoform	<0.0017		0.0017	0.00048	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Bromomethane	<0.0041		0.0041	0.0016	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Carbon disulfide	<0.0041		0.0041	0.00086	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Chloromethane	<0.0041		0.0041	0.0017	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00046	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00058	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Ethylbenzene	<0.0017		0.0017	0.00079	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Tetrachloroethene	<0.0017		0.0017	0.00056	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00073	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Trichloroethene	0.00073	J	0.0017	0.00056	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Vinyl chloride	<0.0017		0.0017	0.00073	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	☼	07/10/21 16:09	07/16/21 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		75 - 131	07/10/21 16:09	07/16/21 18:27	1
Dibromofluoromethane	106		75 - 126	07/10/21 16:09	07/16/21 18:27	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	07/10/21 16:09	07/16/21 18:27	1
Toluene-d8 (Surr)	94		75 - 124	07/10/21 16:09	07/16/21 18:27	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	☼	07/16/21 00:27	07/17/21 19:50	1
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
1,3-Dichlorobenzene	<0.18		0.18	0.041	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
1,4-Dichlorobenzene	<0.18		0.18	0.047	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.042	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: U2-2(0-1)-070921

Lab Sample ID: 500-202128-7

Date Collected: 07/09/21 09:35

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.36		0.36	0.083	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
2,4-Dichlorophenol	<0.36		0.36	0.086	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
2,4-Dinitrophenol	<0.73		0.73	0.64	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
2,4-Dinitrotoluene	<0.18		0.18	0.058	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
2,6-Dinitrotoluene	<0.18		0.18	0.071	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
2-Chloronaphthalene	<0.18		0.18	0.040	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
2-Chlorophenol	<0.18		0.18	0.062	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
2-Methylnaphthalene	<0.073		0.073	0.0067	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
2-Methylphenol	<0.18		0.18	0.058	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
2-Nitroaniline	<0.18		0.18	0.049	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
2-Nitrophenol	<0.36		0.36	0.086	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
3 & 4 Methylphenol	<0.18		0.18	0.061	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.051	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
4,6-Dinitro-2-methylphenol	<0.73		0.73	0.29	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.048	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
4-Chloroaniline	<0.73		0.73	0.17	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
4-Nitrophenol	<0.73		0.73	0.35	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Acenaphthene	<0.036		0.036	0.0065	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Acenaphthylene	<0.036		0.036	0.0048	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Anthracene	0.012	J	0.036	0.0061	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Benzo[a]anthracene	0.069		0.036	0.0049	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Benzo[a]pyrene	0.13	*3	0.036	0.0070	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Benzo[b]fluoranthene	0.24	*3	0.036	0.0078	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Benzo[g,h,i]perylene	0.060	*3	0.036	0.012	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Benzo[k]fluoranthene	0.050	*3	0.036	0.011	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.037	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.055	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Bis(2-ethylhexyl) phthalate	0.079	J	0.18	0.066	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Butyl benzyl phthalate	<0.18		0.18	0.069	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Carbazole	<0.18		0.18	0.091	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Chrysene	0.094		0.036	0.0099	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Dibenz(a,h)anthracene	<0.036	*3	0.036	0.0070	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Dibenzofuran	<0.18		0.18	0.043	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Diethyl phthalate	<0.18		0.18	0.062	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Dimethyl phthalate	<0.18		0.18	0.048	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Di-n-butyl phthalate	<0.18		0.18	0.055	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Di-n-octyl phthalate	<0.18		0.18	0.059	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Fluoranthene	0.19		0.036	0.0067	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Fluorene	<0.036		0.036	0.0051	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Hexachlorobenzene	<0.073		0.073	0.0084	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Hexachlorobutadiene	<0.18		0.18	0.057	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Hexachlorocyclopentadiene	<0.73	*-	0.73	0.21	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Hexachloroethane	<0.18		0.18	0.055	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: U2-2(0-1)-070921

Lab Sample ID: 500-202128-7

Date Collected: 07/09/21 09:35

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 88.4

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	0.063	*3	0.036	0.0094	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Isophorone	<0.18		0.18	0.041	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Naphthalene	<0.036		0.036	0.0056	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Nitrobenzene	<0.036		0.036	0.0091	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
N-Nitrosodi-n-propylamine	<0.073		0.073	0.044	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
N-Nitrosodiphenylamine	<0.18		0.18	0.043	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Pentachlorophenol	<0.73		0.73	0.58	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Phenanthrene	0.070		0.036	0.0051	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Phenol	<0.18		0.18	0.081	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Pyrene	0.22		0.036	0.0072	mg/Kg	☼	07/16/21 00:27	07/17/21 19:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		31 - 143				07/16/21 00:27	07/17/21 19:50	1
2-Fluorobiphenyl	76		43 - 145				07/16/21 00:27	07/17/21 19:50	1
2-Fluorophenol	77		31 - 166				07/16/21 00:27	07/17/21 19:50	1
Nitrobenzene-d5	62		37 - 147				07/16/21 00:27	07/17/21 19:50	1
Phenol-d5	69		30 - 153				07/16/21 00:27	07/17/21 19:50	1
Terphenyl-d14	135		42 - 157				07/16/21 00:27	07/17/21 19:50	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		07/14/21 18:10	07/15/21 14:40	1
Barium	0.43	J	0.50	0.050	mg/L		07/14/21 18:10	07/15/21 14:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/21 18:10	07/15/21 14:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/21 18:10	07/15/21 14:40	1
Chromium	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:40	1
Cobalt	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:40	1
Copper	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:40	1
Iron	<0.40		0.40	0.20	mg/L		07/14/21 18:10	07/15/21 14:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/14/21 18:10	07/15/21 14:40	1
Manganese	0.072		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:40	1
Nickel	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:40	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:10	07/15/21 14:40	1
Silver	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:40	1
Zinc	0.032	J	0.50	0.020	mg/L		07/14/21 18:10	07/15/21 14:40	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		07/14/21 18:12	07/15/21 19:54	1
Barium	0.28	J	0.50	0.050	mg/L		07/14/21 18:12	07/15/21 19:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/21 18:12	07/15/21 19:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/21 18:12	07/15/21 19:54	1
Chromium	0.063		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:54	1
Cobalt	0.013	J	0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:54	1
Copper	0.062		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:54	1
Iron	50		0.40	0.20	mg/L		07/14/21 18:12	07/15/21 19:54	1
Lead	0.097		0.0075	0.0075	mg/L		07/14/21 18:12	07/15/21 19:54	1
Manganese	0.71		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:54	1
Nickel	0.050		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:54	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:12	07/15/21 19:54	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: U2-2(0-1)-070921

Lab Sample ID: 500-202128-7

Date Collected: 07/09/21 09:35

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 88.4

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		07/14/21 18:12	07/15/21 19:54	1
Zinc	0.26	J	0.50	0.020	mg/L		07/14/21 18:12	07/15/21 19:54	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.51	J	1.1	0.21	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Arsenic	4.8		0.54	0.18	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Barium	39		0.54	0.061	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Beryllium	0.35		0.22	0.050	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Cadmium	0.22		0.11	0.019	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Calcium	84000	B	54	9.1	mg/Kg	✧	07/14/21 17:08	07/15/21 15:52	5
Chromium	14		0.54	0.27	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Cobalt	5.3		0.27	0.070	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Copper	20		0.54	0.15	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Iron	16000	B	54	28	mg/Kg	✧	07/14/21 17:08	07/15/21 15:52	5
Lead	42		0.27	0.12	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Magnesium	45000	B	27	13	mg/Kg	✧	07/14/21 17:08	07/15/21 15:52	5
Manganese	370		0.54	0.078	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Nickel	15		0.54	0.16	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Potassium	720		27	9.5	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Selenium	<0.54		0.54	0.32	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Silver	0.17	J	0.27	0.069	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Sodium	550	B	54	8.0	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Thallium	0.40	J	0.54	0.27	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Vanadium	20		0.27	0.063	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	1
Zinc	68		1.1	0.47	mg/Kg	✧	07/14/21 17:08	07/15/21 13:06	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		07/14/21 13:20	07/15/21 09:54	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		07/15/21 10:00	07/16/21 09:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.018	0.0061	mg/Kg	✧	07/14/21 11:35	07/15/21 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.0		0.2	0.2	SU			07/14/21 18:54	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: U2-1(0-1)-070921

Lab Sample ID: 500-202128-8

Date Collected: 07/09/21 09:40

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 92.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0072	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Benzene	<0.0017		0.0017	0.00042	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Bromodichloromethane	<0.0017		0.0017	0.00034	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Bromoform	<0.0017		0.0017	0.00049	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Carbon disulfide	<0.0042		0.0042	0.00086	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Carbon tetrachloride	<0.0017		0.0017	0.00048	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Chlorobenzene	<0.0017		0.0017	0.00061	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Chloroethane	<0.0042		0.0042	0.0012	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Chloroform	<0.0017		0.0017	0.00058	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00046	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00050	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Dibromochloromethane	<0.0017		0.0017	0.00054	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
1,1-Dichloroethane	<0.0017		0.0017	0.00057	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
1,1-Dichloroethene	<0.0017		0.0017	0.00057	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
1,2-Dichloropropane	<0.0017		0.0017	0.00043	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
1,3-Dichloropropane, Total	<0.0017		0.0017	0.00058	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Ethylbenzene	<0.0017		0.0017	0.00080	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Methylene Chloride	<0.0042		0.0042	0.0016	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0018	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
methyl isobutyl ketone	<0.0042		0.0042	0.0012	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00049	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Styrene	<0.0017		0.0017	0.00050	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00053	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Tetrachloroethene	<0.0017		0.0017	0.00057	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Toluene	<0.0017		0.0017	0.00042	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00074	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00058	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00056	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00071	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Trichloroethene	0.00062	J	0.0017	0.00056	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Vinyl chloride	<0.0017		0.0017	0.00074	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1
Xylenes, Total	<0.0033		0.0033	0.00053	mg/Kg	✳	07/10/21 16:09	07/16/21 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		75 - 131	07/10/21 16:09	07/16/21 18:53	1
Dibromofluoromethane	106		75 - 126	07/10/21 16:09	07/16/21 18:53	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 134	07/10/21 16:09	07/16/21 18:53	1
Toluene-d8 (Surr)	96		75 - 124	07/10/21 16:09	07/16/21 18:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.18		0.18	0.038	mg/Kg	✳	07/16/21 00:27	07/17/21 18:38	1
1,2-Dichlorobenzene	<0.18		0.18	0.042	mg/Kg	✳	07/16/21 00:27	07/17/21 18:38	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	✳	07/16/21 00:27	07/17/21 18:38	1
1,4-Dichlorobenzene	<0.18		0.18	0.045	mg/Kg	✳	07/16/21 00:27	07/17/21 18:38	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.041	mg/Kg	✳	07/16/21 00:27	07/17/21 18:38	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: U2-1(0-1)-070921

Lab Sample ID: 500-202128-8

Date Collected: 07/09/21 09:40

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 92.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.35		0.35	0.081	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
2,4,6-Trichlorophenol	<0.35		0.35	0.12	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
2,4-Dichlorophenol	<0.35		0.35	0.084	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
2,4-Dimethylphenol	<0.35		0.35	0.13	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
2,4-Dinitrophenol	<0.71		0.71	0.62	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
2,4-Dinitrotoluene	<0.18		0.18	0.056	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
2,6-Dinitrotoluene	<0.18		0.18	0.070	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
2-Chloronaphthalene	<0.18		0.18	0.039	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
2-Chlorophenol	<0.18		0.18	0.060	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
2-Methylnaphthalene	<0.071		0.071	0.0065	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
2-Methylphenol	<0.18		0.18	0.057	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
2-Nitrophenol	<0.35		0.35	0.084	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
3 & 4 Methylphenol	<0.18		0.18	0.059	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
3-Nitroaniline	<0.35		0.35	0.11	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
4,6-Dinitro-2-methylphenol	<0.71		0.71	0.28	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
4-Chloro-3-methylphenol	<0.35		0.35	0.12	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
4-Chloroaniline	<0.71		0.71	0.17	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.041	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
4-Nitroaniline	<0.35		0.35	0.15	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
4-Nitrophenol	<0.71		0.71	0.34	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Acenaphthene	<0.035		0.035	0.0064	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Acenaphthylene	<0.035		0.035	0.0047	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Anthracene	<0.035		0.035	0.0059	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Benzo[a]anthracene	0.039		0.035	0.0048	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Benzo[a]pyrene	0.067		0.035	0.0069	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Benzo[b]fluoranthene	0.11		0.035	0.0077	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Benzo[g,h,i]perylene	0.029 J		0.035	0.011	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Benzo[k]fluoranthene	0.031 J		0.035	0.010	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.036	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.053	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.065	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Butyl benzyl phthalate	<0.18		0.18	0.067	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Carbazole	<0.18		0.18	0.089	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Chrysene	0.049		0.035	0.0097	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Dibenz(a,h)anthracene	<0.035		0.035	0.0069	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Diethyl phthalate	<0.18		0.18	0.060	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Dimethyl phthalate	<0.18		0.18	0.046	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Di-n-butyl phthalate	<0.18		0.18	0.054	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Di-n-octyl phthalate	<0.18		0.18	0.058	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Fluoranthene	0.088		0.035	0.0066	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Fluorene	<0.035		0.035	0.0050	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Hexachlorobenzene	<0.071		0.071	0.0082	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Hexachlorocyclopentadiene	<0.71 *-		0.71	0.20	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Hexachloroethane	<0.18		0.18	0.054	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: U2-1(0-1)-070921

Lab Sample ID: 500-202128-8

Date Collected: 07/09/21 09:40

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 92.1

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	0.029	J	0.035	0.0092	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Naphthalene	<0.035		0.035	0.0055	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Nitrobenzene	<0.035		0.035	0.0088	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
N-Nitrosodi-n-propylamine	<0.071		0.071	0.043	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Pentachlorophenol	<0.71		0.71	0.57	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Phenanthrene	0.028	J	0.035	0.0049	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Phenol	<0.18		0.18	0.079	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Pyrene	0.066		0.035	0.0070	mg/Kg	☼	07/16/21 00:27	07/17/21 18:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	63		31 - 143				07/16/21 00:27	07/17/21 18:38	1
2-Fluorobiphenyl	76		43 - 145				07/16/21 00:27	07/17/21 18:38	1
2-Fluorophenol	79		31 - 166				07/16/21 00:27	07/17/21 18:38	1
Nitrobenzene-d5	59		37 - 147				07/16/21 00:27	07/17/21 18:38	1
Phenol-d5	75		30 - 153				07/16/21 00:27	07/17/21 18:38	1
Terphenyl-d14	84		42 - 157				07/16/21 00:27	07/17/21 18:38	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		07/14/21 18:10	07/15/21 14:44	1
Barium	0.53		0.50	0.050	mg/L		07/14/21 18:10	07/15/21 14:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/21 18:10	07/15/21 14:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/21 18:10	07/15/21 14:44	1
Chromium	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:44	1
Cobalt	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:44	1
Copper	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:44	1
Iron	<0.40		0.40	0.20	mg/L		07/14/21 18:10	07/15/21 14:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		07/14/21 18:10	07/15/21 14:44	1
Manganese	0.066		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:44	1
Nickel	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:44	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:10	07/15/21 14:44	1
Silver	<0.025		0.025	0.010	mg/L		07/14/21 18:10	07/15/21 14:44	1
Zinc	0.044	J	0.50	0.020	mg/L		07/14/21 18:10	07/15/21 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.027	J	0.050	0.010	mg/L		07/14/21 18:12	07/15/21 19:57	1
Barium	0.36	J	0.50	0.050	mg/L		07/14/21 18:12	07/15/21 19:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/21 18:12	07/15/21 19:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/21 18:12	07/15/21 19:57	1
Chromium	0.081		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:57	1
Cobalt	0.017	J	0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:57	1
Copper	0.071		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:57	1
Iron	69		0.40	0.20	mg/L		07/14/21 18:12	07/15/21 19:57	1
Lead	0.060		0.0075	0.0075	mg/L		07/14/21 18:12	07/15/21 19:57	1
Manganese	0.67	F1	0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:57	1
Nickel	0.068		0.025	0.010	mg/L		07/14/21 18:12	07/15/21 19:57	1
Selenium	<0.050		0.050	0.020	mg/L		07/14/21 18:12	07/15/21 19:57	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Client Sample ID: U2-1(0-1)-070921

Lab Sample ID: 500-202128-8

Date Collected: 07/09/21 09:40

Matrix: Solid

Date Received: 07/09/21 17:10

Percent Solids: 92.1

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		07/14/21 18:12	07/15/21 19:57	1
Zinc	0.35	J	0.50	0.020	mg/L		07/14/21 18:12	07/15/21 19:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.74	J	0.99	0.19	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Arsenic	5.2		0.49	0.17	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Barium	57		0.49	0.056	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Beryllium	0.46		0.20	0.046	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Cadmium	0.11		0.099	0.018	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Calcium	60000	B	49	8.4	mg/Kg	✱	07/14/21 17:08	07/15/21 15:55	5
Chromium	14		0.49	0.24	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Cobalt	6.9		0.25	0.065	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Copper	20		0.49	0.14	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Iron	14000	B	9.9	5.1	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Lead	22		0.25	0.11	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Magnesium	24000	B	4.9	2.5	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Manganese	410		0.49	0.072	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Nickel	17		0.49	0.14	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Potassium	1100		25	8.8	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Selenium	<0.49		0.49	0.29	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Silver	0.18	J	0.25	0.064	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Sodium	390	B	49	7.3	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Thallium	0.75		0.49	0.25	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Vanadium	20		0.25	0.058	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	1
Zinc	79		0.99	0.43	mg/Kg	✱	07/14/21 17:08	07/15/21 13:09	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		07/14/21 13:20	07/15/21 09:56	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		07/15/21 10:00	07/16/21 09:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018		0.016	0.0054	mg/Kg	✱	07/14/21 11:35	07/15/21 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.9		0.2	0.2	SU			07/14/21 18:57	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*3	ISTD response or retention time outside acceptable limits.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

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

Glossary

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

Eurofins TestAmerica, Chicago

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Glossary (Continued)

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

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Volo/Lakemoor - WO 022

Job ID: 500-202128-1

Laboratory: Eurofins TestAmerica, Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Chain of Custody Record

529656



Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager A. Slesers		Site Contact T. Oberman		Date 7/9/21		COC No	
Company Name Weston		Tel/Email		Lab Contact R. Wright		Carrier		1 of 2 COCs	
Address 300 Plaza Circle		Analysis Turnaround Time							
City/State/Zip Mundelein IL 60060		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____							
Phone 224-864-7201		Standard <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
Fax									
Project Name IDOT Job 22									
Site Volo IL									
P O # 02056.016.022		Sample Date		Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)
Sample Identification									
1	VL-5(0-1)-070921	7/9/21	0835	G	S	S			
2	VL-5(0-1)-070921D		0835						
3	VL-4(0-1)-070921		0845						
4	VL-3(0-1)-070921		0905						
5	VL-2(0-1)-070921		0910						
6	VL-1(0-1)-070921		0920						
7	U2-2(0-1)-070921		0935						
8	U2-1(0-1)-070921		0940						
9	U1-1(0-1)-070921		0955						
10	U1-2(0-1)-070921		1005						
11	YM-1(0-1)-070921		1020						
12	YM-3(0-1)-070921		1045						
Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other									
Possible Hazard Identification.					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample									
<input checked="" type="checkbox"/> Non Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments:									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd 3.6		Corr'd 4.2		Therm ID No	
Relinquished by Taylor Slesers		Company Weston		Date/Time 7/9/21 1440		Received by: [Signature]		Company ETA	
Relinquished by [Signature]		Company ETA		Date/Time 7/9/21 1710		Received by: [Signature]		Company ETA	
Relinquished by		Company		Date/Time		Received in Laboratory by		Company	

Chain of Custody Record

529655



Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager A. Slesers		Site Contact T. Oberman		Date 7/9/21		COC No				
Company Name Weston		Tel/Email		Lab Contact B. Wright		Carrier		2 of 2 COCs				
Address 300 Plaza Circle		Analysis Turnaround Time										
City/State/Zip Mundelein IL 60060		<input type="checkbox"/> CALENDAR DAYS		<input type="checkbox"/> WORKING DAYS		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SNOGS Total Metals TCL/SLP Metals PH						
Phone 224-864-7201		TAT if different from Below _____										
Fax		<input type="checkbox"/> 2 weeks		Standard								
Project Name DDT Job 22		<input type="checkbox"/> 1 week										
Site Volo IL		<input type="checkbox"/> 2 days										
PO# 02056.016.022		<input type="checkbox"/> 1 day										
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	500-202/28 Sample Specific Notes					
13	YM-2(0-1)-070921	7/9/21	1030	A	S	5						
14	YM-2(0-1)-070921D		1030									
15	YM-4(0-1)-070921		1100									
16	YM-5(0-1)-070921		1110									
17	BR-1(0-5)-070921		1225									
18	BR-2(0-5)-070921		1215									
19	BR-3(0-5)-070921		1200									
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:										
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____						
Relinquished by [Signature]		Company Weston		Date/Time 7/9/21 1445		Received by [Signature]		Company ETA				
Relinquished by [Signature]		Company ETA		Date/Time 7/9/21 1710		Received by [Signature]		Company ETA				
Relinquished by _____		Company _____		Date/Time _____		Received in Laboratory by _____		Company _____				