



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 350: IL 50 (Cicero Ave) at Steger Rd Office Phone Number, if available: _____

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

23000 Block of S. Cicero Avenue (ISGS SITE NO. 3069V-3)

City: University Park State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.46983 Longitude: - 87.73207
(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.): 12

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 VL3-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 3069V-3. 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: 500-194438-1.

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 Plaza Circle; Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: (224) 864-7200

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



 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

Apr 28, 2021
 Date:



Summary Table of ISGS Site No. 3069V-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 350: IL 50 (Cicero Avenue) at Steger Road
Richton Park/University Park, Cook County, Illinois

Location	VL3-1	VL3-1	Soil Reference Concentrations ^A
Sample Date	2/2/2021	2/2/2021	
Field Sample ID	VL3-1(0-5)-020221	VL3-1(5-11)-020221	
ISGS Site No.	3069V-003	3069V-003	
Laboratory pH	7.2	7.6	<6.25; >9.0
VOCs (mg/kg)			
Acetone	0.021	0.0077 J	25
Tetrachloroethene	0.00072 J	ND	0.06
SVOCs (mg/kg)			
Benzo(a)pyrene	ND	0.013 J	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	0.012 J	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	ND	0.02 J	---
Chrysene	ND	0.015 J	88
Fluoranthene	0.0082 J	ND	3100
Pyrene	ND	0.0091 J	2300
Total Metals (mg/kg)			
Antimony, Total	0.4 J	0.26 J	5
Arsenic, Total	8.1	5.1	11.3 / 13.0
Barium, Total	100	34	1500
Beryllium, Total	0.83	0.69	22
Cadmium, Total	ND	ND	5.2
Calcium, Total	3300 B	50000 B	---
Chromium, Total	21	20	21
Cobalt, Total	19	10	20
Copper, Total	20	17	2900
Iron, Total	23000	18000	15000 / 15900
Lead, Total	24	13	107
Magnesium, Total	4900	22000	325000
Manganese, Total	530	250	630 / 636
Mercury, Total	0.03	0.02	0.89
Nickel, Total	38	31	100
Potassium, Total	2300 B	3800 B	---
Sodium, Total	2200	410	---
Vanadium, Total	29	22	550
Zinc, Total	95	59	5100
TCLP Metals (mg/l)			
Arsenic, TCLP	ND	ND	0.05
Barium, TCLP	0.61	0.25 J	2
Beryllium, TCLP	ND	ND	0.004
Cadmium, TCLP	0.0034 J	ND	0.005
Chromium, TCLP	ND	ND	0.1
Cobalt, TCLP	0.06	ND	1
Copper, TCLP	ND	ND	0.65
Iron, TCLP	1.1	ND	5
Lead, TCLP	0.022	ND	0.0075
Manganese, TCLP	18	1.3	0.15
Mercury, TCLP	ND	ND	0.002
Nickel, TCLP	0.038	ND	0.1
Zinc, TCLP	0.5	ND	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.06	ND	0.05
Barium, SPLP	1	ND	2
Beryllium, SPLP	0.0078	ND	0.004
Cadmium, SPLP	ND	ND	0.005
Chromium, SPLP	0.19	ND	0.1
Cobalt, SPLP	0.085	ND	1
Copper, SPLP	0.17	ND	0.65
Iron, SPLP	190	0.38 J	5
Lead, SPLP	0.12	ND	0.0075
Manganese, SPLP	2.1 B	ND	0.15
Nickel, SPLP	0.22	ND	0.1
Zinc, SPLP	1 B	ND	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: 500-194438-1

Client Project/Site: IDOT - IL Route 50 - WO 014

For:

Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Jodie Bracken

Authorized for release by:
2/16/2021 1:50:06 PM

Jodie Bracken, Project Management Assistant II
Jodie.Bracken@Eurofinset.com

Designee for

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

LINKS

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results through
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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 - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL3-1(0-5)-020221

Lab Sample ID: 500-194438-2

Date Collected: 02/02/21 13:35

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0019		0.0019	0.00064	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00061	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00082	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
1,1-Dichloroethane	<0.0019		0.0019	0.00066	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
1,1-Dichloroethene	<0.0019		0.0019	0.00066	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
1,2-Dichloroethane	<0.0048		0.0048	0.0015	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
1,2-Dichloropropane	<0.0019		0.0019	0.00049	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00067	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
2-Hexanone	<0.0048		0.0048	0.0015	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Acetone	0.021		0.019	0.0083	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Benzene	<0.0019		0.0019	0.00049	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Bromodichloromethane	<0.0019		0.0019	0.00039	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Bromoform	<0.0019		0.0019	0.00056	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Bromomethane	<0.0048		0.0048	0.0018	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Carbon disulfide	<0.0048		0.0048	0.0010	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Carbon tetrachloride	<0.0019		0.0019	0.00056	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Chlorobenzene	<0.0019		0.0019	0.00071	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Chloroethane	<0.0048		0.0048	0.0014	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Chloroform	<0.0019		0.0019	0.00066	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Chloromethane	<0.0048		0.0048	0.0019	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00053	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00058	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Dibromochloromethane	<0.0019		0.0019	0.00063	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Ethylbenzene	<0.0019		0.0019	0.00092	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Methyl Ethyl Ketone	<0.0048		0.0048	0.0021	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
methyl isobutyl ketone	<0.0048		0.0048	0.0014	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00056	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Methylene Chloride	<0.0048		0.0048	0.0019	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Styrene	<0.0019		0.0019	0.00058	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Tetrachloroethene	0.00072 J		0.0019	0.00065	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Toluene	<0.0019		0.0019	0.00048	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00085	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00067	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Trichloroethene	<0.0019		0.0019	0.00065	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Vinyl chloride	<0.0019		0.0019	0.00085	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1
Xylenes, Total	<0.0038		0.0038	0.00061	mg/Kg	✳	02/02/21 17:40	02/08/21 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	02/02/21 17:40	02/08/21 16:20	1
4-Bromofluorobenzene (Surr)	90		75 - 131	02/02/21 17:40	02/08/21 16:20	1
Dibromofluoromethane	102		75 - 126	02/02/21 17:40	02/08/21 16:20	1
Toluene-d8 (Surr)	94		75 - 124	02/02/21 17:40	02/08/21 16:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	✳	02/05/21 19:57	02/08/21 13:21	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	02/05/21 19:57	02/08/21 13:21	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✳	02/05/21 19:57	02/08/21 13:21	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✳	02/05/21 19:57	02/08/21 13:21	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	✳	02/05/21 19:57	02/08/21 13:21	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL3-1(0-5)-020221

Lab Sample ID: 500-194438-2

Date Collected: 02/02/21 13:35

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 80.8

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	0.090	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
3 & 4 Methylphenol	<0.20		0.20	0.066	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.32	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Acenaphthene	<0.039		0.039	0.0071	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Anthracene	<0.039		0.039	0.0066	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Benzo[a]anthracene	<0.039		0.039	0.0053	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Benzo[a]pyrene	<0.039		0.039	0.0076	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Benzo[b]fluoranthene	<0.039		0.039	0.0085	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Butyl benzyl phthalate	<0.20		0.20	0.075	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Diethyl phthalate	<0.20		0.20	0.067	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Fluoranthene	0.0082	J	0.039	0.0073	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☆	02/05/21 19:57	02/08/21 13:21	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL3-1(0-5)-020221

Lab Sample ID: 500-194438-2

Date Collected: 02/02/21 13:35

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 80.8

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	☼	02/05/21 19:57	02/08/21 13:21	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	02/05/21 19:57	02/08/21 13:21	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	02/05/21 19:57	02/08/21 13:21	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	02/05/21 19:57	02/08/21 13:21	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	02/05/21 19:57	02/08/21 13:21	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	02/05/21 19:57	02/08/21 13:21	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	02/05/21 19:57	02/08/21 13:21	1
Phenanthrene	<0.039		0.039	0.0055	mg/Kg	☼	02/05/21 19:57	02/08/21 13:21	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	02/05/21 19:57	02/08/21 13:21	1
Pyrene	<0.039		0.039	0.0078	mg/Kg	☼	02/05/21 19:57	02/08/21 13:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	71		31 - 143	02/05/21 19:57	02/08/21 13:21	1
2-Fluorobiphenyl	77		43 - 145	02/05/21 19:57	02/08/21 13:21	1
2-Fluorophenol	87		31 - 166	02/05/21 19:57	02/08/21 13:21	1
Nitrobenzene-d5	64		37 - 147	02/05/21 19:57	02/08/21 13:21	1
Phenol-d5	73		30 - 153	02/05/21 19:57	02/08/21 13:21	1
Terphenyl-d14	71		42 - 157	02/05/21 19:57	02/08/21 13:21	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/09/21 16:44	02/10/21 16:53	1
Barium	0.61		0.50	0.050	mg/L		02/09/21 16:44	02/10/21 16:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/09/21 16:44	02/10/21 16:53	1
Cadmium	0.0034	J	0.0050	0.0020	mg/L		02/09/21 16:44	02/10/21 16:53	1
Chromium	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:53	1
Cobalt	0.060		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:53	1
Copper	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:53	1
Iron	1.1		0.40	0.20	mg/L		02/09/21 16:44	02/10/21 16:53	1
Lead	0.022		0.0075	0.0075	mg/L		02/09/21 16:44	02/10/21 16:53	1
Manganese	18		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:53	1
Nickel	0.038		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:53	1
Selenium	<0.050		0.050	0.020	mg/L		02/09/21 16:44	02/10/21 16:53	1
Silver	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:53	1
Zinc	0.50		0.50	0.020	mg/L		02/09/21 16:44	02/10/21 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.060		0.050	0.010	mg/L		02/09/21 16:47	02/10/21 18:13	1
Barium	1.0		0.50	0.050	mg/L		02/09/21 16:47	02/10/21 18:13	1
Beryllium	0.0078		0.0040	0.0040	mg/L		02/09/21 16:47	02/10/21 18:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/09/21 16:47	02/10/21 18:13	1
Chromium	0.19		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:13	1
Cobalt	0.085		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:13	1
Copper	0.17		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:13	1
Iron	190		0.40	0.20	mg/L		02/09/21 16:47	02/10/21 18:13	1
Lead	0.12		0.0075	0.0075	mg/L		02/09/21 16:47	02/10/21 18:13	1
Manganese	2.1	B	0.025	0.010	mg/L		02/11/21 10:01	02/11/21 14:21	1
Nickel	0.22		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:13	1
Selenium	<0.050		0.050	0.020	mg/L		02/09/21 16:47	02/10/21 18:13	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL3-1(0-5)-020221

Lab Sample ID: 500-194438-2

Date Collected: 02/02/21 13:35

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:13	1
Zinc	1.0	B	0.50	0.020	mg/L		02/11/21 10:01	02/11/21 14:21	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.2	0.23	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Arsenic	8.1		0.60	0.20	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Barium	100		0.60	0.068	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Beryllium	0.83		0.24	0.056	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Cadmium	<0.12		0.12	0.022	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Calcium	3300	B	12	2.0	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Chromium	21		0.60	0.30	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Cobalt	19		0.30	0.078	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Copper	20		0.60	0.17	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Iron	23000		12	6.2	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Lead	24		0.30	0.14	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Magnesium	4900		6.0	3.0	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Manganese	530		0.60	0.087	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Nickel	38		0.60	0.17	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Potassium	2300	B	30	11	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Selenium	<0.60		0.60	0.35	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Silver	0.12	J B	0.30	0.077	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Sodium	2200		60	8.9	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Thallium	<0.60		0.60	0.30	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Vanadium	29		0.30	0.071	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1
Zinc	95		1.2	0.53	mg/Kg	✧	02/08/21 17:24	02/09/21 22:49	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/09/21 11:55	02/10/21 09:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		02/10/21 09:40	02/11/21 09:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.019	0.0062	mg/Kg	✧	02/05/21 13:45	02/08/21 08:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.2		0.2	0.2	SU			02/05/21 15:47	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL3-1(5-11)-020221

Lab Sample ID: 500-194438-3

Date Collected: 02/02/21 13:40

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00055	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00057	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Acetone	0.0077	J	0.016	0.0071	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Benzene	<0.0016		0.0016	0.00042	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Bromoform	<0.0016		0.0016	0.00048	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Carbon disulfide	<0.0041		0.0041	0.00085	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Chloroform	<0.0016		0.0016	0.00057	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00046	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00049	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Dibromochloromethane	<0.0016		0.0016	0.00054	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Tetrachloroethene	<0.0016		0.0016	0.00056	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00073	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00057	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1
Xylenes, Total	<0.0033		0.0033	0.00052	mg/Kg	☼	02/02/21 17:40	02/08/21 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 134	02/02/21 17:40	02/08/21 16:45	1
4-Bromofluorobenzene (Surr)	92		75 - 131	02/02/21 17:40	02/08/21 16:45	1
Dibromofluoromethane	100		75 - 126	02/02/21 17:40	02/08/21 16:45	1
Toluene-d8 (Surr)	96		75 - 124	02/02/21 17:40	02/08/21 16:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	02/05/21 19:57	02/08/21 13:46	1
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	02/05/21 19:57	02/08/21 13:46	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	02/05/21 19:57	02/08/21 13:46	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	02/05/21 19:57	02/08/21 13:46	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	02/05/21 19:57	02/08/21 13:46	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL3-1(5-11)-020221

Lab Sample ID: 500-194438-3

Date Collected: 02/02/21 13:40

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
2,4-Dichlorophenol	<0.38		0.38	0.091	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
2,4-Dimethylphenol	<0.38		0.38	0.15	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
2,4-Dinitrotoluene	<0.19		0.19	0.061	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
2-Nitrophenol	<0.38		0.38	0.091	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
3 & 4 Methylphenol	<0.19		0.19	0.064	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Acenaphthene	<0.038		0.038	0.0069	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Acenaphthylene	<0.038		0.038	0.0051	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Anthracene	<0.038		0.038	0.0064	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Benzo[a]anthracene	<0.038		0.038	0.0052	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Benzo[a]pyrene	0.013	J	0.038	0.0074	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Benzo[b]fluoranthene	0.012	J	0.038	0.0083	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Benzo[g,h,i]perylene	0.020	J	0.038	0.012	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.070	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Butyl benzyl phthalate	<0.19		0.19	0.073	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Carbazole	<0.19		0.19	0.096	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Chrysene	0.015	J	0.038	0.010	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0074	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Diethyl phthalate	<0.19		0.19	0.065	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Fluoranthene	<0.038		0.038	0.0071	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Fluorene	<0.038		0.038	0.0054	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Hexachlorobenzene	<0.077		0.077	0.0089	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	✳	02/05/21 19:57	02/08/21 13:46	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL3-1(5-11)-020221

Lab Sample ID: 500-194438-3

Date Collected: 02/02/21 13:40

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 84.2

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	<0.038		0.038	0.0099	mg/Kg	☼	02/05/21 19:57	02/08/21 13:46	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	02/05/21 19:57	02/08/21 13:46	1
Naphthalene	<0.038		0.038	0.0059	mg/Kg	☼	02/05/21 19:57	02/08/21 13:46	1
Nitrobenzene	<0.038		0.038	0.0096	mg/Kg	☼	02/05/21 19:57	02/08/21 13:46	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.047	mg/Kg	☼	02/05/21 19:57	02/08/21 13:46	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	02/05/21 19:57	02/08/21 13:46	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	02/05/21 19:57	02/08/21 13:46	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	02/05/21 19:57	02/08/21 13:46	1
Phenol	<0.19		0.19	0.085	mg/Kg	☼	02/05/21 19:57	02/08/21 13:46	1
Pyrene	0.0091	J	0.038	0.0076	mg/Kg	☼	02/05/21 19:57	02/08/21 13:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	65		31 - 143	02/05/21 19:57	02/08/21 13:46	1
2-Fluorobiphenyl	84		43 - 145	02/05/21 19:57	02/08/21 13:46	1
2-Fluorophenol	93		31 - 166	02/05/21 19:57	02/08/21 13:46	1
Nitrobenzene-d5	70		37 - 147	02/05/21 19:57	02/08/21 13:46	1
Phenol-d5	77		30 - 153	02/05/21 19:57	02/08/21 13:46	1
Terphenyl-d14	85		42 - 157	02/05/21 19:57	02/08/21 13:46	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/09/21 16:44	02/10/21 16:57	1
Barium	0.25	J	0.50	0.050	mg/L		02/09/21 16:44	02/10/21 16:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/09/21 16:44	02/10/21 16:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/09/21 16:44	02/10/21 16:57	1
Chromium	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:57	1
Cobalt	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:57	1
Copper	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:57	1
Iron	<0.40		0.40	0.20	mg/L		02/09/21 16:44	02/10/21 16:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/09/21 16:44	02/10/21 16:57	1
Manganese	1.3		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:57	1
Nickel	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:57	1
Selenium	<0.050		0.050	0.020	mg/L		02/09/21 16:44	02/10/21 16:57	1
Silver	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:57	1
Zinc	<0.50		0.50	0.020	mg/L		02/09/21 16:44	02/10/21 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/09/21 16:47	02/10/21 18:17	1
Barium	<0.50		0.50	0.050	mg/L		02/09/21 16:47	02/10/21 18:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/09/21 16:47	02/10/21 18:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/09/21 16:47	02/10/21 18:17	1
Chromium	<0.025		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:17	1
Cobalt	<0.025		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:17	1
Copper	<0.025		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:17	1
Iron	0.38	J	0.40	0.20	mg/L		02/09/21 16:47	02/10/21 18:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/09/21 16:47	02/10/21 18:17	1
Manganese	<0.025	*+	0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:17	1
Nickel	<0.025		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:17	1
Selenium	<0.050		0.050	0.020	mg/L		02/09/21 16:47	02/10/21 18:17	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL3-1(5-11)-020221

Lab Sample ID: 500-194438-3

Date Collected: 02/02/21 13:40

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:17	1
Zinc	<0.50	**	0.50	0.020	mg/L		02/09/21 16:47	02/10/21 18:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.26	J	1.1	0.21	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Arsenic	5.1		0.54	0.19	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Barium	34		0.54	0.062	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Beryllium	0.69		0.22	0.051	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Cadmium	<0.11		0.11	0.020	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Calcium	50000	B	54	9.2	mg/Kg	✱	02/08/21 17:24	02/10/21 16:07	5
Chromium	20		0.54	0.27	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Cobalt	10		0.27	0.071	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Copper	17		0.54	0.15	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Iron	18000		11	5.7	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Lead	13		1.4	0.63	mg/Kg	✱	02/08/21 17:24	02/10/21 16:07	5
Magnesium	22000		5.4	2.7	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Manganese	250		0.54	0.079	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Nickel	31		0.54	0.16	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Potassium	3800	B	27	9.6	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Selenium	<0.54		0.54	0.32	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Silver	<0.27		0.27	0.070	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Sodium	410		54	8.1	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Thallium	<0.54		0.54	0.27	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Vanadium	22		0.27	0.064	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1
Zinc	59		1.1	0.48	mg/Kg	✱	02/08/21 17:24	02/09/21 22:53	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/09/21 11:55	02/10/21 09:36	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		02/10/21 09:40	02/11/21 09:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.019	0.0064	mg/Kg	✱	02/05/21 13:45	02/08/21 08:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.6		0.2	0.2	SU			02/05/21 15:50	1

Definitions/Glossary

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^2	Calibration Blank is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-21

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Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact Company Name: <u>Weston</u> Address: <u>300 Plaza Circle</u> City/State/Zip: <u>Mundelein IL 60060</u> Phone: <u>224-864-7201</u> Fax: _____ Project Name: _____ Site: <u>Richton Park</u> PO #: <u>02056.016 014.0020</u>		Project Manager: <u>A. Slesers</u> Tel/Email: _____ Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below <input type="checkbox"/> 2 weeks <u>Standard</u> <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact: <u>T. Oberman</u> Lab Contact: <u>K. Wright</u> Date: _____ Carrier: _____ COC No: _____ of <u>2</u> COCs		Sampler: _____ For Lab Use Only Walk in Client: _____ Lab Sampling: _____ Job / SDG No: <u>500-194438</u>			
		Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ VOCs _____ SVOCs _____ Total Metals _____ TCLP/SPLP Metals _____ PH _____		500-194438 COC		Sample Specific Notes			
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.			
1 VL6-4(5-10)-020221		2/2/21	1325	G	S	6	X	X	
2 VL3-1(0-5)-020221		↓	1335	↓	↓	↓	↓	↓	
3 VL3-1(5-11)-020221		↓	1340	↓	↓	↓	↓	↓	
								Duplicate of sample 2/2/2021	
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other		Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		<input type="checkbox"/> 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: <u>8.8 → 8.6, 5.4 → 3.4</u>							
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____ Cor'd _____		Therm ID No _____			
Relinquished by: <u>T. Oberman</u>		Company: <u>Weston</u>		Date/Time: <u>2/2/21 1450</u>		Received by: _____			
Relinquished by: _____		Company: _____		Date/Time: _____		Received by: _____			
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: <u>Ann Scott</u>			
						Company: <u>ETA-CHT</u>			
						Date/Time: <u>2/2/21 1450</u>			

Chain of Custody Record 423301 eurofins

Environment Test
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>Andris Slesers</u>		Site Contact: <u>T. Oberman</u>		Date		COC No			
Company Name: <u>Weston</u>		Tel/Email:		Lab Contact: <u>R. Wright</u>		Carrier:		<u>2</u> of <u>2</u> COCs			
Address: <u>300 Plaza Circle</u>		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SVOCs Total Metals TCR/SRP Metals PH				Sampler For Lab Use Only Walk-in Client Lab Sampling Job / SDG No <u>500-19443P</u>			
City/State/Zip: <u>Mundelein IL 60060</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS									
Phone: <u>224-864-7201</u>		TAT if different from Below									
Fax:		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day									
Project Name:		Standard									
Site: <u>Richton Park</u>											
PO# <u>02056.016.014.0020</u>											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes				
4	CB-1(0-5)-020221	2/2/21	1205	G	S	6	X	X	X	X	
5	CB-1(5-10)-020221		1215								
6	CB-1(5-10)-020221D		1215								
7	VL7-2(0-4)-020221		1225								
8	VL7-2(4-8)-020221		1230								
9	VL7-2(8-13)-020221		1235								
10	VL7-1(0-2)-020221		1240								
11	VL6-1(0-2)-020221		1250								
12	VL6-2(0-2)-020221		1300								
13	VL6-3(0-2)-020221		1305								
14	VL6-4(0-5)-020221		1320								
15	VL6-4(0-5)-020221D	↓	1320	↓	↓	↓	↓	↓	↓	↓	
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-Hazardous <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: <u>Jane Oberman</u>		Company: <u>Weston</u>		Date/Time: <u>2/2/21 1450</u>		Received by:		Company:			
Relinquished by:		Company:		Date/Time:		Received by:		Company:			
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: <u>Jim Scott</u>		Company: <u>ETA</u> Date/Time: <u>2/2/21 1450</u>			



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 350: IL 50 (Cicero Ave) at Steger Rd Office Phone Number, if available: _____

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

4801 W. Steger Road (ISGS SITE NO. 3069V-6)

City: University Park State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.46901 Longitude: - 87.73207
(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.): 4

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 W. Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: _____

Contact: Irma Romiti-Johnson

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

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 W. Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: _____

Contact: Irma Romiti-Johnson

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

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

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS VL6-1, VL6-2, and VL6-4 WERE SAMPLED ADJACENT TO ISGS SITE No. 3069V-6. 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: 500-194438-1.

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 Plaza Circle; Suite 202
City: Mundelein State: IL Zip Code: 60060
Phone: (224) 864-7200

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



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Apr 28, 2021

Date:



Summary Table of ISGS Site No. 3069V-6
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 350: IL 50 (Cicero Avenue) at Steger Road
Richton Park/University Park, Cook County, Illinois

Location	VL6-1	VL6-2	VL6-4	VL6-4	VL6-4	Soil Reference Concentrations ^A
Sample Date	2/2/2021	2/2/2021	2/2/2021	2/2/2021	2/2/2021	
Field Sample ID	VL6-1(0-2)-020221	VL6-2(0-2)-020221	VL6-4(0-5)-020221D	VL6-4(0-5)-020221	VL6-4(5-10)-020221	
ISGS Site No.	3069V-006	3069V-006	3069V-006	3069V-006	3069V-006	
Laboratory pH	8.3	8.1	8	7.7	8.3	<6.25; >9.0
VOCs (mg/kg)						
Acetone	ND	0.0075 J	0.018	0.023	ND	25
Tetrachloroethene	0.00059 J	ND	ND	0.00075 J	ND	0.06
SVOCs (mg/kg)						
Benzo(a)anthracene	ND	0.0097 J	ND	ND	0.0087 J	0.9 / 1.1 / 1.8
Benzo(a)pyrene	ND	0.011 J	ND	ND	0.013 J	0.09 / 1.3 / 2.1
Benzo(b)fluoranthene	ND	0.015 J	ND	ND	0.024 J	0.9 / 1.5 / 2.1
Benzo(g,h,i)perylene	ND	ND	ND	ND	0.017 J	---
Chrysene	ND	0.013 J	ND	ND	0.016 J	88
Fluoranthene	0.015 J	0.018 J	ND	ND	0.02 J	3100
Phenanthrene	0.015 J	0.0092 J	ND	ND	0.0066 J	---
Pyrene	0.012 J	0.012 J	ND	ND	0.016 J	2300
Total Metals (mg/kg)						
Antimony, Total	0.48 J	0.53 J	0.52 J	0.44 J	0.49 J	5
Arsenic, Total	9.1	8	7.5	8.4	9.2 J	11.3 / 13.0
Barium, Total	40	55	75	74	28 J	1500
Beryllium, Total	0.54	0.73	0.9	0.89	0.58	22
Cadmium, Total	ND	0.74 B	0.36 J	0.67 J	ND	5.2
Calcium, Total	13000 B	16000 B	12000 B	11000 B	49000 B	---
Chromium, Total	15	19	23	23	15	21
Cobalt, Total	9.4	15	16	17	13 J	20
Copper, Total	21	21	21	20	20 J	2900
Iron, Total	19000	20000	23000	24000	19000	15000 / 15900
Lead, Total	17	25	18	20	17 J	107
Magnesium, Total	8300	11000	11000	11000	22000	325000
Manganese, Total	210	350	530	580	340 J	630 / 636
Mercury, Total	0.024	0.036	0.025	0.028	0.015 J	0.89
Nickel, Total	25	31	44	42	32	100
Potassium, Total	1900 B	2600 B	3200 B	3200 B	2800 ^2B	---
Selenium, Total	ND	0.52 J	ND	ND	ND	1.3
Sodium, Total	710	1600	2000	2000	1200	---
Thallium, Total	0.31 J	ND	ND	ND	ND	2.6
Vanadium, Total	22	25	28	28	17	550
Zinc, Total	49	63	68	68	60	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.49 J	0.53	0.45 J	0.4 J	0.22 J	2
Beryllium, TCLP	ND	ND	ND	ND	ND	0.004
Cadmium, TCLP	ND	ND	ND	ND	ND	0.005
Chromium, TCLP	ND	ND	ND	ND	ND	0.1
Cobalt, TCLP	0.025	0.038	0.022 J	0.021 J	ND	1
Copper, TCLP	ND	ND	ND	ND	ND	0.65
Iron, TCLP	ND	0.84	0.43	ND	ND	5
Lead, TCLP	ND	0.0097	ND	ND	ND	0.0075
Manganese, TCLP	5	6.3	8.6	8.1	0.92	0.15
Mercury, TCLP	ND	ND	ND	ND	ND	0.002
Nickel, TCLP	0.024 J	0.015 J	0.024 J	0.023 J	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.024 J	0.028 J	ND	ND	ND	5
SPLP Metals (mg/l)						
Arsenic, SPLP	0.047 J	0.068	0.041 J	0.043 J	0.064	0.05
Barium, SPLP	0.47 J	0.6	0.71	0.76	0.27 J	2
Beryllium, SPLP	0.0055	0.0068	0.0081	0.0085	0.0057	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.12	0.15	0.19 J	0.21	0.12	0.1
Cobalt, SPLP	0.054	0.075	0.073	0.075	0.049	1
Copper, SPLP	0.13	0.19	0.15	0.15	0.14	0.65
Iron, SPLP	130	170	170	180	140	5
Lead, SPLP	0.12	0.19	0.087	0.095	0.076	0.0075
Manganese, SPLP	1.3 B	1.5 B	2.7 B	2.9 B	0.71 B	0.15
Mercury, SPLP	ND	ND	0.00023	ND	ND	0.002
Nickel, SPLP	0.15	0.18	0.24	0.23	0.16	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	ND	ND	ND	5

Notes:

--- - not applicable or value not available.

Summary Table of ISGS Site No. 3069V-6
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 350: IL 50 (Cicero Avenue) at Steger Road
Richton Park/University Park, Cook County, Illinois

^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: 500-194438-1
Client Project/Site: IDOT - IL Route 50 - WO 014

For:

Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Jodie Bracken

Authorized for release by:
2/16/2021 1:50:06 PM

Jodie Bracken, Project Management Assistant II
Jodie.Bracken@Eurofinset.com

Designee for

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 - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-4(5-10)-020221

Lab Sample ID: 500-194438-1

Date Collected: 02/02/21 13:25

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0016		0.0016	0.00054	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
1,1,1,2-Tetrachloroethane	<0.0016		0.0016	0.00052	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00070	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
1,1-Dichloroethane	<0.0016		0.0016	0.00056	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
1,1-Dichloroethene	<0.0016		0.0016	0.00056	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
1,2-Dichloroethane	<0.0041		0.0041	0.0013	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
1,2-Dichloropropane	<0.0016		0.0016	0.00042	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
1,3-Dichloropropane, Total	<0.0016		0.0016	0.00057	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
2-Hexanone	<0.0041		0.0041	0.0013	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Acetone	<0.016		0.016	0.0071	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Benzene	<0.0016		0.0016	0.00041	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Bromodichloromethane	<0.0016		0.0016	0.00033	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Bromoform	<0.0016		0.0016	0.00047	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Bromomethane	<0.0041		0.0041	0.0015	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Carbon disulfide	<0.0041		0.0041	0.00084	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Carbon tetrachloride	<0.0016		0.0016	0.00047	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Chlorobenzene	<0.0016		0.0016	0.00060	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Chloroethane	<0.0041		0.0041	0.0012	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Chloroform	<0.0016		0.0016	0.00056	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Chloromethane	<0.0041		0.0041	0.0016	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00045	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
cis-1,3-Dichloropropane	<0.0016		0.0016	0.00049	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Dibromochloromethane	<0.0016		0.0016	0.00053	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Ethylbenzene	<0.0016		0.0016	0.00078	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Methyl Ethyl Ketone	<0.0041		0.0041	0.0018	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
methyl isobutyl ketone	<0.0041		0.0041	0.0012	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00048	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Methylene Chloride	<0.0041		0.0041	0.0016	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Styrene	<0.0016		0.0016	0.00049	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Tetrachloroethene	<0.0016		0.0016	0.00055	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Toluene	<0.0016		0.0016	0.00041	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00072	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
trans-1,3-Dichloropropane	<0.0016		0.0016	0.00057	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Trichloroethene	<0.0016		0.0016	0.00055	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Vinyl chloride	<0.0016		0.0016	0.00072	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1
Xylenes, Total	<0.0032		0.0032	0.00052	mg/Kg	✱	02/02/21 17:40	02/08/21 15:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 134	02/02/21 17:40	02/08/21 15:55	1
4-Bromofluorobenzene (Surr)	94		75 - 131	02/02/21 17:40	02/08/21 15:55	1
Dibromofluoromethane	100		75 - 126	02/02/21 17:40	02/08/21 15:55	1
Toluene-d8 (Surr)	94		75 - 124	02/02/21 17:40	02/08/21 15:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	✱	02/05/21 19:57	02/08/21 15:30	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	✱	02/05/21 19:57	02/08/21 15:30	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	✱	02/05/21 19:57	02/08/21 15:30	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	✱	02/05/21 19:57	02/08/21 15:30	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	✱	02/05/21 19:57	02/08/21 15:30	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-4(5-10)-020221

Lab Sample ID: 500-194438-1

Date Collected: 02/02/21 13:25

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.37		0.37	0.086	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
2,4-Dinitrophenol	<0.76		0.76	0.66	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
2-Nitrophenol	<0.37		0.37	0.089	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Acenaphthene	<0.037		0.037	0.0068	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Acenaphthylene	<0.037		0.037	0.0050	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Anthracene	<0.037		0.037	0.0063	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Benzo[a]anthracene	0.0087	J	0.037	0.0051	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Benzo[a]pyrene	0.013	J	0.037	0.0073	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Benzo[b]fluoranthene	0.024	J	0.037	0.0081	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Benzo[g,h,i]perylene	0.017	J	0.037	0.012	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Benzo[k]fluoranthene	<0.037		0.037	0.011	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Carbazole	<0.19		0.19	0.094	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Chrysene	0.016	J	0.037	0.010	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0073	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Fluoranthene	0.020	J	0.037	0.0070	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Hexachlorobenzene	<0.076		0.076	0.0087	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	✳	02/05/21 19:57	02/08/21 15:30	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-4(5-10)-020221

Lab Sample ID: 500-194438-1

Date Collected: 02/02/21 13:25

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<0.037		0.037	0.0098	mg/Kg	☼	02/05/21 19:57	02/08/21 15:30	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	02/05/21 19:57	02/08/21 15:30	1
Naphthalene	<0.037		0.037	0.0058	mg/Kg	☼	02/05/21 19:57	02/08/21 15:30	1
Nitrobenzene	<0.037		0.037	0.0094	mg/Kg	☼	02/05/21 19:57	02/08/21 15:30	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	02/05/21 19:57	02/08/21 15:30	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	02/05/21 19:57	02/08/21 15:30	1
Pentachlorophenol	<0.76		0.76	0.60	mg/Kg	☼	02/05/21 19:57	02/08/21 15:30	1
Phenanthrene	0.0066	J	0.037	0.0052	mg/Kg	☼	02/05/21 19:57	02/08/21 15:30	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	02/05/21 19:57	02/08/21 15:30	1
Pyrene	0.016	J	0.037	0.0075	mg/Kg	☼	02/05/21 19:57	02/08/21 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	72		31 - 143	02/05/21 19:57	02/08/21 15:30	1
2-Fluorobiphenyl	91		43 - 145	02/05/21 19:57	02/08/21 15:30	1
2-Fluorophenol	88		31 - 166	02/05/21 19:57	02/08/21 15:30	1
Nitrobenzene-d5	76		37 - 147	02/05/21 19:57	02/08/21 15:30	1
Phenol-d5	72		30 - 153	02/05/21 19:57	02/08/21 15:30	1
Terphenyl-d14	83		42 - 157	02/05/21 19:57	02/08/21 15:30	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/09/21 16:44	02/10/21 16:49	1
Barium	0.22	J	0.50	0.050	mg/L		02/09/21 16:44	02/10/21 16:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/09/21 16:44	02/10/21 16:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/09/21 16:44	02/10/21 16:49	1
Chromium	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:49	1
Cobalt	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:49	1
Copper	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:49	1
Iron	<0.40		0.40	0.20	mg/L		02/09/21 16:44	02/10/21 16:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/09/21 16:44	02/10/21 16:49	1
Manganese	0.92		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:49	1
Nickel	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:49	1
Selenium	<0.050		0.050	0.020	mg/L		02/09/21 16:44	02/10/21 16:49	1
Silver	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 16:49	1
Zinc	<0.50		0.50	0.020	mg/L		02/09/21 16:44	02/10/21 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.064		0.050	0.010	mg/L		02/09/21 16:47	02/10/21 18:10	1
Barium	0.27	J	0.50	0.050	mg/L		02/09/21 16:47	02/10/21 18:10	1
Beryllium	0.0057		0.0040	0.0040	mg/L		02/09/21 16:47	02/10/21 18:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/09/21 16:47	02/10/21 18:10	1
Chromium	0.12		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:10	1
Cobalt	0.049		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:10	1
Copper	0.14		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:10	1
Iron	140		0.40	0.20	mg/L		02/09/21 16:47	02/10/21 18:10	1
Lead	0.076		0.0075	0.0075	mg/L		02/09/21 16:47	02/10/21 18:10	1
Manganese	0.71	B	0.025	0.010	mg/L		02/11/21 10:01	02/11/21 14:18	1
Nickel	0.16		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:10	1
Selenium	<0.050		0.050	0.020	mg/L		02/09/21 16:47	02/10/21 18:10	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-4(5-10)-020221

Lab Sample ID: 500-194438-1

Date Collected: 02/02/21 13:25

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:10	1
Zinc	0.40	J B *+	0.50	0.020	mg/L		02/09/21 16:47	02/10/21 18:10	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.49	J F1	1.1	0.21	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Arsenic	9.2	F1	0.54	0.18	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Barium	28		0.54	0.062	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Beryllium	0.58		0.22	0.050	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Cadmium	<0.11		0.11	0.019	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Calcium	49000	B	54	9.2	mg/Kg	✱	02/08/21 17:24	02/10/21 15:42	5
Chromium	15		0.54	0.27	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Cobalt	13		0.27	0.071	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Copper	20	F1	0.54	0.15	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Iron	19000		11	5.6	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Lead	17	F1	1.4	0.62	mg/Kg	✱	02/08/21 17:24	02/10/21 15:42	5
Magnesium	22000		5.4	2.7	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Manganese	340	F2	0.54	0.078	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Nickel	32		0.54	0.16	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Potassium	2800	^2 B	27	9.6	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Selenium	<0.54	F1	0.54	0.32	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Silver	<0.27		0.27	0.070	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Sodium	1200		54	8.0	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Thallium	<0.54		0.54	0.27	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Vanadium	17		0.27	0.064	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1
Zinc	60		1.1	0.47	mg/Kg	✱	02/08/21 17:24	02/09/21 22:24	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/09/21 11:55	02/10/21 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/10/21 09:40	02/11/21 09:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.018	0.0061	mg/Kg	✱	02/05/21 13:45	02/08/21 08:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			02/05/21 15:42	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-1(0-2)-020221

Lab Sample ID: 500-194438-11

Date Collected: 02/02/21 12:50

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Acetone	<0.017		0.017	0.0074	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Carbon disulfide	<0.0043		0.0043	0.00089	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Tetrachloroethene	0.00059	J	0.0017	0.00058	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	✱	02/02/21 17:40	02/09/21 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	02/02/21 17:40	02/09/21 15:53	1
4-Bromofluorobenzene (Surr)	99		75 - 131	02/02/21 17:40	02/09/21 15:53	1
Dibromofluoromethane	99		75 - 126	02/02/21 17:40	02/09/21 15:53	1
Toluene-d8 (Surr)	91		75 - 124	02/02/21 17:40	02/09/21 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	✱	02/05/21 19:57	02/08/21 18:33	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✱	02/05/21 19:57	02/08/21 18:33	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✱	02/05/21 19:57	02/08/21 18:33	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✱	02/05/21 19:57	02/08/21 18:33	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✱	02/05/21 19:57	02/08/21 18:33	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-1(0-2)-020221

Lab Sample ID: 500-194438-11

Date Collected: 02/02/21 12:50

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Carbazole	<0.20		0.20	0.097	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Chrysene	<0.039		0.039	0.011	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Fluoranthene	0.015	J	0.039	0.0072	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Hexachlorobenzene	<0.079		0.079	0.0090	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Hexachlorocyclopentadiene	<0.79		0.79	0.22	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	☆	02/05/21 19:57	02/08/21 18:33	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-1(0-2)-020221

Lab Sample ID: 500-194438-11

Date Collected: 02/02/21 12:50

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 82.7

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	<0.039		0.039	0.010	mg/Kg	☼	02/05/21 19:57	02/08/21 18:33	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	02/05/21 19:57	02/08/21 18:33	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	02/05/21 19:57	02/08/21 18:33	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	02/05/21 19:57	02/08/21 18:33	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	02/05/21 19:57	02/08/21 18:33	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	02/05/21 19:57	02/08/21 18:33	1
Pentachlorophenol	<0.79		0.79	0.62	mg/Kg	☼	02/05/21 19:57	02/08/21 18:33	1
Phenanthrene	0.015	J	0.039	0.0054	mg/Kg	☼	02/05/21 19:57	02/08/21 18:33	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	02/05/21 19:57	02/08/21 18:33	1
Pyrene	0.012	J	0.039	0.0077	mg/Kg	☼	02/05/21 19:57	02/08/21 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	78		31 - 143	02/05/21 19:57	02/08/21 18:33	1
2-Fluorobiphenyl	73		43 - 145	02/05/21 19:57	02/08/21 18:33	1
2-Fluorophenol	60		31 - 166	02/05/21 19:57	02/08/21 18:33	1
Nitrobenzene-d5	60		37 - 147	02/05/21 19:57	02/08/21 18:33	1
Phenol-d5	60		30 - 153	02/05/21 19:57	02/08/21 18:33	1
Terphenyl-d14	96		42 - 157	02/05/21 19:57	02/08/21 18:33	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/09/21 16:44	02/10/21 17:33	1
Barium	0.49	J	0.50	0.050	mg/L		02/09/21 16:44	02/10/21 17:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/09/21 16:44	02/10/21 17:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/09/21 16:44	02/10/21 17:33	1
Chromium	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:33	1
Cobalt	0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:33	1
Copper	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:33	1
Iron	<0.40		0.40	0.20	mg/L		02/09/21 16:44	02/10/21 17:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/09/21 16:44	02/10/21 17:33	1
Manganese	5.0		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:33	1
Nickel	0.024	J	0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:33	1
Selenium	<0.050		0.050	0.020	mg/L		02/09/21 16:44	02/10/21 17:33	1
Silver	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:33	1
Zinc	0.024	J	0.50	0.020	mg/L		02/09/21 16:44	02/10/21 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.047	J	0.050	0.010	mg/L		02/09/21 16:47	02/10/21 18:55	1
Barium	0.47	J	0.50	0.050	mg/L		02/09/21 16:47	02/10/21 18:55	1
Beryllium	0.0055		0.0040	0.0040	mg/L		02/09/21 16:47	02/10/21 18:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/09/21 16:47	02/10/21 18:55	1
Chromium	0.12		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:55	1
Cobalt	0.054		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:55	1
Copper	0.13		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:55	1
Iron	130		0.40	0.20	mg/L		02/09/21 16:47	02/10/21 18:55	1
Lead	0.12		0.0075	0.0075	mg/L		02/09/21 16:47	02/10/21 18:55	1
Manganese	1.3	B	0.025	0.010	mg/L		02/11/21 10:01	02/11/21 14:49	1
Nickel	0.15		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:55	1
Selenium	<0.050		0.050	0.020	mg/L		02/09/21 16:47	02/10/21 18:55	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-1(0-2)-020221

Lab Sample ID: 500-194438-11

Date Collected: 02/02/21 12:50

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:55	1
Zinc	0.31	J B *+	0.50	0.020	mg/L		02/09/21 16:47	02/10/21 18:55	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J	1.2	0.23	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Arsenic	9.1		0.60	0.20	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Barium	40		0.60	0.068	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Beryllium	0.54		0.24	0.056	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Cadmium	0.11	J B	0.12	0.022	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Calcium	13000	B	12	2.0	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Chromium	15		0.60	0.30	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Cobalt	9.4		0.30	0.078	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Copper	21		0.60	0.17	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Iron	19000		12	6.2	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Lead	17		0.30	0.14	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Magnesium	8300		6.0	3.0	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Manganese	210		0.60	0.087	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Nickel	25		0.60	0.17	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Potassium	1900	B	30	11	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Selenium	<0.60		0.60	0.35	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Silver	<0.30		0.30	0.077	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Sodium	710		60	8.8	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Thallium	0.31	J	0.60	0.30	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Vanadium	22		0.30	0.071	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1
Zinc	49		1.2	0.52	mg/Kg	✧	02/08/21 17:24	02/09/21 23:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/09/21 11:55	02/10/21 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/10/21 09:40	02/11/21 09:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.019	0.0063	mg/Kg	✧	02/05/21 13:45	02/08/21 08:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3		0.2	0.2	SU			02/05/21 16:12	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-2(0-2)-020221

Lab Sample ID: 500-194438-12

Date Collected: 02/02/21 13:00

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00057	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00054	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00073	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
1,1-Dichloroethane	<0.0017		0.0017	0.00058	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
1,1-Dichloroethene	<0.0017		0.0017	0.00058	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
1,2-Dichloroethane	<0.0042		0.0042	0.0013	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
1,2-Dichloropropane	<0.0017		0.0017	0.00044	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00060	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
2-Hexanone	<0.0042		0.0042	0.0013	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Acetone	0.0075	J	0.017	0.0074	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Benzene	<0.0017		0.0017	0.00043	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Bromomethane	<0.0042		0.0042	0.0016	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Carbon disulfide	<0.0042		0.0042	0.00088	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Carbon tetrachloride	<0.0017		0.0017	0.00049	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Chlorobenzene	<0.0017		0.0017	0.00063	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Chloroethane	<0.0042		0.0042	0.0013	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Chloroform	<0.0017		0.0017	0.00059	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Chloromethane	<0.0042		0.0042	0.0017	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00047	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00051	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Dibromochloromethane	<0.0017		0.0017	0.00055	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Ethylbenzene	<0.0017		0.0017	0.00081	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Methyl Ethyl Ketone	<0.0042		0.0042	0.0019	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
methyl isobutyl ketone	<0.0042		0.0042	0.0013	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00050	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Methylene Chloride	<0.0042		0.0042	0.0017	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Styrene	<0.0017		0.0017	0.00051	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Tetrachloroethene	<0.0017		0.0017	0.00058	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Toluene	<0.0017		0.0017	0.00043	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00075	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00060	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Trichloroethene	<0.0017		0.0017	0.00057	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Vinyl chloride	<0.0017		0.0017	0.00075	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1
Xylenes, Total	<0.0034		0.0034	0.00054	mg/Kg	✳	02/02/21 17:40	02/08/21 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 134	02/02/21 17:40	02/08/21 20:30	1
4-Bromofluorobenzene (Surr)	87		75 - 131	02/02/21 17:40	02/08/21 20:30	1
Dibromofluoromethane	104		75 - 126	02/02/21 17:40	02/08/21 20:30	1
Toluene-d8 (Surr)	94		75 - 124	02/02/21 17:40	02/08/21 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	✳	02/05/21 19:57	02/08/21 13:19	1
1,2-Dichlorobenzene	<0.20		0.20	0.047	mg/Kg	✳	02/05/21 19:57	02/08/21 13:19	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✳	02/05/21 19:57	02/08/21 13:19	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✳	02/05/21 19:57	02/08/21 13:19	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✳	02/05/21 19:57	02/08/21 13:19	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-2(0-2)-020221

Lab Sample ID: 500-194438-12

Date Collected: 02/02/21 13:00

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
2,4-Dichlorophenol	<0.39		0.39	0.093	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
2,4-Dinitrophenol	<0.79		0.79	0.69	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
2,6-Dinitrotoluene	<0.20		0.20	0.077	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
2-Chlorophenol	<0.20		0.20	0.067	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
2-Methylnaphthalene	<0.079		0.079	0.0072	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
2-Methylphenol	<0.20		0.20	0.063	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
2-Nitroaniline	<0.20		0.20	0.053	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
2-Nitrophenol	<0.39		0.39	0.093	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.055	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
4,6-Dinitro-2-methylphenol	<0.79		0.79	0.31	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.052	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
4-Chloroaniline	<0.79		0.79	0.18	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.046	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
4-Nitrophenol	<0.79		0.79	0.37	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Acenaphthylene	<0.039		0.039	0.0052	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Benzo[a]anthracene	0.0097	J	0.039	0.0053	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Benzo[a]pyrene	0.011	J	0.039	0.0076	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Benzo[b]fluoranthene	0.015	J	0.039	0.0085	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Benzo[k]fluoranthene	<0.039		0.039	0.012	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.059	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.072	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Carbazole	<0.20		0.20	0.098	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Chrysene	0.013	J	0.039	0.011	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0076	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Dibenzofuran	<0.20		0.20	0.046	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Di-n-butyl phthalate	<0.20		0.20	0.060	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Di-n-octyl phthalate	<0.20		0.20	0.064	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Fluoranthene	0.018	J	0.039	0.0073	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Hexachlorobenzene	<0.079		0.079	0.0091	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Hexachlorobutadiene	<0.20		0.20	0.062	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Hexachlorocyclopentadiene	<0.79		0.79	0.23	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1
Hexachloroethane	<0.20		0.20	0.060	mg/Kg	☆	02/05/21 19:57	02/08/21 13:19	1

Euofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-2(0-2)-020221

Lab Sample ID: 500-194438-12

Date Collected: 02/02/21 13:00

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 82.5

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	<0.039		0.039	0.010	mg/Kg	☼	02/05/21 19:57	02/08/21 13:19	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	02/05/21 19:57	02/08/21 13:19	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	02/05/21 19:57	02/08/21 13:19	1
Nitrobenzene	<0.039		0.039	0.0098	mg/Kg	☼	02/05/21 19:57	02/08/21 13:19	1
N-Nitrosodi-n-propylamine	<0.079		0.079	0.048	mg/Kg	☼	02/05/21 19:57	02/08/21 13:19	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	02/05/21 19:57	02/08/21 13:19	1
Pentachlorophenol	<0.79		0.79	0.63	mg/Kg	☼	02/05/21 19:57	02/08/21 13:19	1
Phenanthrene	0.0092	J	0.039	0.0055	mg/Kg	☼	02/05/21 19:57	02/08/21 13:19	1
Phenol	<0.20		0.20	0.087	mg/Kg	☼	02/05/21 19:57	02/08/21 13:19	1
Pyrene	0.012	J	0.039	0.0078	mg/Kg	☼	02/05/21 19:57	02/08/21 13:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	85		31 - 143				02/05/21 19:57	02/08/21 13:19	1
2-Fluorobiphenyl	78		43 - 145				02/05/21 19:57	02/08/21 13:19	1
2-Fluorophenol	66		31 - 166				02/05/21 19:57	02/08/21 13:19	1
Nitrobenzene-d5	69		37 - 147				02/05/21 19:57	02/08/21 13:19	1
Phenol-d5	63		30 - 153				02/05/21 19:57	02/08/21 13:19	1
Terphenyl-d14	94		42 - 157				02/05/21 19:57	02/08/21 13:19	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		02/09/21 16:44	02/10/21 17:37	1
Barium	0.53		0.50	0.050	mg/L		02/09/21 16:44	02/10/21 17:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/09/21 16:44	02/10/21 17:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/09/21 16:44	02/10/21 17:37	1
Chromium	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:37	1
Cobalt	0.038		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:37	1
Copper	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:37	1
Iron	0.84		0.40	0.20	mg/L		02/09/21 16:44	02/10/21 17:37	1
Lead	0.0097		0.0075	0.0075	mg/L		02/09/21 16:44	02/10/21 17:37	1
Manganese	6.3		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:37	1
Nickel	0.015	J	0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:37	1
Selenium	<0.050		0.050	0.020	mg/L		02/09/21 16:44	02/10/21 17:37	1
Silver	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:37	1
Zinc	0.028	J	0.50	0.020	mg/L		02/09/21 16:44	02/10/21 17:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.068		0.050	0.010	mg/L		02/09/21 16:47	02/10/21 18:59	1
Barium	0.60		0.50	0.050	mg/L		02/09/21 16:47	02/10/21 18:59	1
Beryllium	0.0068		0.0040	0.0040	mg/L		02/09/21 16:47	02/10/21 18:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/09/21 16:47	02/10/21 18:59	1
Chromium	0.15		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:59	1
Cobalt	0.075		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:59	1
Copper	0.19		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:59	1
Iron	170		0.40	0.20	mg/L		02/09/21 16:47	02/10/21 18:59	1
Lead	0.19		0.0075	0.0075	mg/L		02/09/21 16:47	02/10/21 18:59	1
Manganese	1.5	B	0.025	0.010	mg/L		02/11/21 10:01	02/11/21 14:52	1
Nickel	0.18		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:59	1
Selenium	<0.050		0.050	0.020	mg/L		02/09/21 16:47	02/10/21 18:59	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-2(0-2)-020221

Lab Sample ID: 500-194438-12

Date Collected: 02/02/21 13:00

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:59	1
Zinc	0.41	J B *+	0.50	0.020	mg/L		02/09/21 16:47	02/10/21 18:59	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	✧	02/08/21 17:24	02/09/21 23:31	1
Arsenic	8.0		0.57	0.19	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Barium	55		0.57	0.065	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Beryllium	0.73		0.23	0.053	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Cadmium	0.74	B	0.11	0.020	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Calcium	16000	B	11	1.9	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Chromium	19		0.57	0.28	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Cobalt	15		0.28	0.074	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Copper	21		0.57	0.16	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Iron	20000		11	5.9	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Lead	25		0.28	0.13	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Magnesium	11000		5.7	2.8	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Manganese	350		0.57	0.082	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Nickel	31		0.57	0.16	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Potassium	2600	B	28	10	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Selenium	0.52	J	0.57	0.33	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Silver	0.077	J B	0.28	0.073	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Sodium	1600		57	8.4	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Thallium	<0.57		0.57	0.28	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Vanadium	25		0.28	0.067	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1
Zinc	63		1.1	0.50	mg/Kg	✧	02/08/21 17:24	02/09/21 23:31	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/09/21 11:55	02/10/21 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		02/10/21 09:40	02/11/21 09:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.018	0.0060	mg/Kg	✧	02/05/21 13:45	02/08/21 08:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			02/05/21 16:15	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-4(0-5)-020221

Lab Sample ID: 500-194438-14

Date Collected: 02/02/21 13:20

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00055	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00074	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
1,1-Dichloroethane	<0.0017		0.0017	0.00059	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
1,1-Dichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
1,2-Dichloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
1,3-Dichloropropane, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
2-Hexanone	<0.0043		0.0043	0.0013	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Acetone	0.023		0.017	0.0075	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Bromoform	<0.0017		0.0017	0.00050	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00048	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
cis-1,3-Dichloropropane	<0.0017		0.0017	0.00052	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Dibromochloromethane	<0.0017		0.0017	0.00056	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Methyl Ethyl Ketone	<0.0043		0.0043	0.0019	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
methyl isobutyl ketone	<0.0043		0.0043	0.0013	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Styrene	<0.0017		0.0017	0.00052	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Tetrachloroethene	0.00075	J	0.0017	0.00059	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
trans-1,3-Dichloropropane	<0.0017		0.0017	0.00061	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Trichloroethene	<0.0017		0.0017	0.00058	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Vinyl chloride	<0.0017		0.0017	0.00076	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1
Xylenes, Total	<0.0035		0.0035	0.00055	mg/Kg	☼	02/02/21 17:40	02/09/21 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	02/02/21 17:40	02/09/21 16:43	1
4-Bromofluorobenzene (Surr)	95		75 - 131	02/02/21 17:40	02/09/21 16:43	1
Dibromofluoromethane	104		75 - 126	02/02/21 17:40	02/09/21 16:43	1
Toluene-d8 (Surr)	89		75 - 124	02/02/21 17:40	02/09/21 16:43	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	0.044	mg/Kg	☼	02/05/21 19:57	02/08/21 14:08	1
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	02/05/21 19:57	02/08/21 14:08	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	02/05/21 19:57	02/08/21 14:08	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	02/05/21 19:57	02/08/21 14:08	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	02/05/21 19:57	02/08/21 14:08	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-4(0-5)-020221

Lab Sample ID: 500-194438-14

Date Collected: 02/02/21 13:20

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.40		0.40	0.092	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
2,4-Dinitrophenol	<0.81		0.81	0.71	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
2-Methylnaphthalene	<0.081		0.081	0.0074	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
2-Nitrophenol	<0.40		0.40	0.095	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Benzo[a]anthracene	<0.040		0.040	0.0054	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Benzo[a]pyrene	<0.040		0.040	0.0078	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Benzo[b]fluoranthene	<0.040		0.040	0.0087	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Chrysene	<0.040		0.040	0.011	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Fluoranthene	<0.040		0.040	0.0075	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Hexachlorobenzene	<0.081		0.081	0.0094	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☆	02/05/21 19:57	02/08/21 14:08	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-4(0-5)-020221

Lab Sample ID: 500-194438-14

Date Collected: 02/02/21 13:20

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 81.5

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	<0.040		0.040	0.010	mg/Kg	☼	02/05/21 19:57	02/08/21 14:08	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	02/05/21 19:57	02/08/21 14:08	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	02/05/21 19:57	02/08/21 14:08	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	02/05/21 19:57	02/08/21 14:08	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	02/05/21 19:57	02/08/21 14:08	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	02/05/21 19:57	02/08/21 14:08	1
Pentachlorophenol	<0.81		0.81	0.65	mg/Kg	☼	02/05/21 19:57	02/08/21 14:08	1
Phenanthrene	<0.040		0.040	0.0056	mg/Kg	☼	02/05/21 19:57	02/08/21 14:08	1
Phenol	<0.20		0.20	0.090	mg/Kg	☼	02/05/21 19:57	02/08/21 14:08	1
Pyrene	<0.040		0.040	0.0080	mg/Kg	☼	02/05/21 19:57	02/08/21 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	62		31 - 143	02/05/21 19:57	02/08/21 14:08	1
2-Fluorobiphenyl	69		43 - 145	02/05/21 19:57	02/08/21 14:08	1
2-Fluorophenol	59		31 - 166	02/05/21 19:57	02/08/21 14:08	1
Nitrobenzene-d5	66		37 - 147	02/05/21 19:57	02/08/21 14:08	1
Phenol-d5	56		30 - 153	02/05/21 19:57	02/08/21 14:08	1
Terphenyl-d14	83		42 - 157	02/05/21 19:57	02/08/21 14:08	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/09/21 16:44	02/10/21 17:44	1
Barium	0.40	J	0.50	0.050	mg/L		02/09/21 16:44	02/10/21 17:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/09/21 16:44	02/10/21 17:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/09/21 16:44	02/10/21 17:44	1
Chromium	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:44	1
Cobalt	0.021	J	0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:44	1
Copper	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:44	1
Iron	<0.40		0.40	0.20	mg/L		02/09/21 16:44	02/10/21 17:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/09/21 16:44	02/10/21 17:44	1
Manganese	8.1		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:44	1
Nickel	0.023	J	0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:44	1
Selenium	<0.050		0.050	0.020	mg/L		02/09/21 16:44	02/10/21 17:44	1
Silver	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:44	1
Zinc	<0.50		0.50	0.020	mg/L		02/09/21 16:44	02/10/21 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.043	J	0.050	0.010	mg/L		02/09/21 16:47	02/10/21 19:05	1
Barium	0.76		0.50	0.050	mg/L		02/09/21 16:47	02/10/21 19:05	1
Beryllium	0.0085		0.0040	0.0040	mg/L		02/09/21 16:47	02/10/21 19:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/09/21 16:47	02/10/21 19:05	1
Chromium	0.21		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 19:05	1
Cobalt	0.075		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 19:05	1
Copper	0.15		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 19:05	1
Iron	180		0.40	0.20	mg/L		02/09/21 16:47	02/10/21 19:05	1
Lead	0.095		0.0075	0.0075	mg/L		02/09/21 16:47	02/10/21 19:05	1
Manganese	2.9	B	0.025	0.010	mg/L		02/11/21 10:01	02/11/21 17:53	1
Nickel	0.23		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 19:05	1
Selenium	<0.050		0.050	0.020	mg/L		02/09/21 16:47	02/10/21 19:05	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-4(0-5)-020221

Lab Sample ID: 500-194438-14

Date Collected: 02/02/21 13:20

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 19:05	1
Zinc	0.45	J B *+	0.50	0.020	mg/L		02/09/21 16:47	02/10/21 19:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.2	0.23	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Arsenic	8.4		0.60	0.20	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Barium	74		0.60	0.068	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Beryllium	0.89		0.24	0.056	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Cadmium	0.67	B	0.12	0.021	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Calcium	11000	B	12	2.0	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Chromium	23		0.60	0.30	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Cobalt	17		0.30	0.078	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Copper	20		0.60	0.17	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Iron	24000		12	6.2	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Lead	20		0.30	0.14	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Magnesium	11000		6.0	3.0	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Manganese	580		0.60	0.086	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Nickel	42		0.60	0.17	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Potassium	3200	B	30	11	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Selenium	<0.60		0.60	0.35	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Silver	<0.30		0.30	0.077	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Sodium	2000		60	8.8	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Thallium	<0.60		0.60	0.30	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Vanadium	28		0.30	0.070	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1
Zinc	68		1.2	0.52	mg/Kg	✧	02/08/21 17:24	02/09/21 23:38	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/09/21 11:55	02/10/21 10:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00050		0.00050	0.00050	mg/L		02/10/21 09:40	02/11/21 09:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.019	0.0065	mg/Kg	✧	02/05/21 13:45	02/08/21 08:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			02/05/21 16:20	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-4(0-5)-020221D

Lab Sample ID: 500-194438-15

Date Collected: 02/02/21 13:20

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00058	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00077	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
1,1-Dichloroethane	<0.0018		0.0018	0.00062	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
1,1-Dichloroethene	<0.0018		0.0018	0.00062	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
1,2-Dichloroethane	<0.0045		0.0045	0.0014	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
1,2-Dichloropropane	<0.0018		0.0018	0.00047	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00063	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
2-Hexanone	<0.0045		0.0045	0.0014	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Acetone	0.018		0.018	0.0079	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Benzene	<0.0018		0.0018	0.00046	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Bromodichloromethane	<0.0018		0.0018	0.00037	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Bromoform	<0.0018		0.0018	0.00053	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Bromomethane	<0.0045		0.0045	0.0017	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Carbon disulfide	<0.0045		0.0045	0.00094	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Chlorobenzene	<0.0018		0.0018	0.00067	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Chloroethane	<0.0045		0.0045	0.0013	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Chloroform	<0.0018		0.0018	0.00063	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Chloromethane	<0.0045		0.0045	0.0018	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Dibromochloromethane	<0.0018		0.0018	0.00059	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Ethylbenzene	<0.0018		0.0018	0.00086	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Methyl Ethyl Ketone	<0.0045		0.0045	0.0020	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
methyl isobutyl ketone	<0.0045		0.0045	0.0013	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00053	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Methylene Chloride	<0.0045		0.0045	0.0018	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Toluene	<0.0018		0.0018	0.00046	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00080	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00063	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Trichloroethene	<0.0018		0.0018	0.00061	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Vinyl chloride	<0.0018		0.0018	0.00080	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1
Xylenes, Total	<0.0036		0.0036	0.00058	mg/Kg	✱	02/02/21 17:40	02/09/21 17:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	02/02/21 17:40	02/09/21 17:09	1
4-Bromofluorobenzene (Surr)	93		75 - 131	02/02/21 17:40	02/09/21 17:09	1
Dibromofluoromethane	104		75 - 126	02/02/21 17:40	02/09/21 17:09	1
Toluene-d8 (Surr)	86		75 - 124	02/02/21 17:40	02/09/21 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.20		0.20	0.042	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
1,2-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
1,3-Dichlorobenzene	<0.20		0.20	0.044	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
1,4-Dichlorobenzene	<0.20		0.20	0.050	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.045	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-4(0-5)-020221D

Lab Sample ID: 500-194438-15

Date Collected: 02/02/21 13:20

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.39		0.39	0.089	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
2,4-Dinitrotoluene	<0.20		0.20	0.062	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
2,6-Dinitrotoluene	<0.20		0.20	0.076	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
2-Chloronaphthalene	<0.20		0.20	0.043	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
2-Chlorophenol	<0.20		0.20	0.066	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
2-Methylphenol	<0.20		0.20	0.062	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
2-Nitroaniline	<0.20		0.20	0.052	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
3 & 4 Methylphenol	<0.20		0.20	0.065	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.054	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.051	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.045	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Benzo[g,h,i]perylene	<0.039		0.039	0.013	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.040	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.058	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.071	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Butyl benzyl phthalate	<0.20		0.20	0.074	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Carbazole	<0.20		0.20	0.097	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Chrysene	<0.039		0.039	0.011	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Dibenzofuran	<0.20		0.20	0.045	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Diethyl phthalate	<0.20		0.20	0.066	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Dimethyl phthalate	<0.20		0.20	0.051	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Di-n-butyl phthalate	<0.20		0.20	0.059	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Di-n-octyl phthalate	<0.20		0.20	0.063	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Hexachlorobutadiene	<0.20		0.20	0.061	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1
Hexachloroethane	<0.20		0.20	0.059	mg/Kg	✱	02/05/21 19:57	02/08/21 14:32	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-4(0-5)-020221D

Lab Sample ID: 500-194438-15

Date Collected: 02/02/21 13:20

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 82.5

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	<0.039		0.039	0.010	mg/Kg	☼	02/05/21 19:57	02/08/21 14:32	1
Isophorone	<0.20		0.20	0.044	mg/Kg	☼	02/05/21 19:57	02/08/21 14:32	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	02/05/21 19:57	02/08/21 14:32	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	02/05/21 19:57	02/08/21 14:32	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	02/05/21 19:57	02/08/21 14:32	1
N-Nitrosodiphenylamine	<0.20		0.20	0.046	mg/Kg	☼	02/05/21 19:57	02/08/21 14:32	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	02/05/21 19:57	02/08/21 14:32	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	02/05/21 19:57	02/08/21 14:32	1
Phenol	<0.20		0.20	0.086	mg/Kg	☼	02/05/21 19:57	02/08/21 14:32	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	02/05/21 19:57	02/08/21 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	68		31 - 143	02/05/21 19:57	02/08/21 14:32	1
2-Fluorobiphenyl	85		43 - 145	02/05/21 19:57	02/08/21 14:32	1
2-Fluorophenol	70		31 - 166	02/05/21 19:57	02/08/21 14:32	1
Nitrobenzene-d5	75		37 - 147	02/05/21 19:57	02/08/21 14:32	1
Phenol-d5	66		30 - 153	02/05/21 19:57	02/08/21 14:32	1
Terphenyl-d14	95		42 - 157	02/05/21 19:57	02/08/21 14:32	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		02/09/21 16:44	02/10/21 17:48	1
Barium	0.45	J	0.50	0.050	mg/L		02/09/21 16:44	02/10/21 17:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/09/21 16:44	02/10/21 17:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/09/21 16:44	02/10/21 17:48	1
Chromium	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:48	1
Cobalt	0.022	J	0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:48	1
Copper	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:48	1
Iron	0.43		0.40	0.20	mg/L		02/09/21 16:44	02/10/21 17:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/09/21 16:44	02/10/21 17:48	1
Manganese	8.6		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:48	1
Nickel	0.024	J	0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:48	1
Selenium	<0.050		0.050	0.020	mg/L		02/09/21 16:44	02/10/21 17:48	1
Silver	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:48	1
Zinc	<0.50		0.50	0.020	mg/L		02/09/21 16:44	02/10/21 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.041	J	0.050	0.010	mg/L		02/09/21 16:47	02/10/21 19:09	1
Barium	0.71		0.50	0.050	mg/L		02/09/21 16:47	02/10/21 19:09	1
Beryllium	0.0081		0.0040	0.0040	mg/L		02/09/21 16:47	02/10/21 19:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/09/21 16:47	02/10/21 19:09	1
Chromium	0.19	F1	0.025	0.010	mg/L		02/09/21 16:47	02/10/21 19:09	1
Cobalt	0.073		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 19:09	1
Copper	0.15		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 19:09	1
Iron	170		0.40	0.20	mg/L		02/09/21 16:47	02/10/21 19:09	1
Lead	0.087		0.0075	0.0075	mg/L		02/09/21 16:47	02/10/21 19:09	1
Manganese	2.7	B	0.025	0.010	mg/L		02/11/21 10:01	02/11/21 17:56	1
Nickel	0.24		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 19:09	1
Selenium	<0.050	F1	0.050	0.020	mg/L		02/09/21 16:47	02/10/21 19:09	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL6-4(0-5)-020221D

Lab Sample ID: 500-194438-15

Date Collected: 02/02/21 13:20

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 19:09	1
Zinc	0.45	J B *+	0.50	0.020	mg/L		02/09/21 16:47	02/10/21 19:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.52	J	1.2	0.23	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Arsenic	7.5		0.58	0.20	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Barium	75		0.58	0.067	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Beryllium	0.90		0.23	0.055	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Cadmium	0.36	B	0.12	0.021	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Calcium	12000	B	12	2.0	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Chromium	23		0.58	0.29	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Cobalt	16		0.29	0.076	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Copper	21		0.58	0.16	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Iron	23000		12	6.1	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Lead	18		0.29	0.13	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Magnesium	11000		5.8	2.9	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Manganese	530		0.58	0.085	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Nickel	44		0.58	0.17	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Potassium	3200	B	29	10	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Selenium	<0.58		0.58	0.34	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Silver	<0.29		0.29	0.075	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Sodium	2000		58	8.6	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Thallium	<0.58		0.58	0.29	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Vanadium	28		0.29	0.069	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1
Zinc	68		1.2	0.51	mg/Kg	✧	02/08/21 17:24	02/09/21 23:42	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/09/21 11:55	02/10/21 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00023		0.00020	0.00020	mg/L		02/10/21 09:40	02/11/21 09:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.0064	mg/Kg	✧	02/05/21 13:45	02/08/21 08:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0		0.2	0.2	SU			02/05/21 16:23	1

Definitions/Glossary

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^2	Calibration Blank is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Eurofins TestAmerica, Chicago

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-21

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Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact Company Name: <u>Weston</u> Address: <u>300 Plaza Circle</u> City/State/Zip: <u>Mundelein IL 60060</u> Phone: <u>224-864-7201</u> Fax: _____ Project Name: _____ Site: <u>Richton Park</u> PO #: <u>02056.016 014.0020</u>		Project Manager: <u>A. Slesers</u> Tel/Email: _____ Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below <input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact: <u>T. Oberman</u> Lab Contact: <u>K. Wright</u> Date: _____ Carrier: _____ COC No: _____ of <u>2</u> COCs		Sampler: _____ For Lab Use Only Walk in Client: _____ Lab Sampling: _____ Job / SDG No: <u>500-194438</u>								
				500-194438 COC 										
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 TCLP/SPLP Metals PH	Sample Specific Notes					
1	VL6-4(5-10)-020221		2/2/21	1325	G	S	6		X	X	X	X	X	
2	VL3-1(0-5)-020221		↓	1335	↓	↓	↓		↓	↓	↓	↓	↓	
3	VL3-1(5-11)-020221		↓	1340	↓	↓	↓		↓	↓	↓	↓	↓	
 Duplicate of sample 2/2/2021 														
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other						Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown								
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months														
Special Instructions/QC Requirements & Comments: <p style="text-align: right; font-size: 1.2em;">8.8 → 8.6, 5.4 → 3.4</p>														
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____ Cor'd _____		Therm ID No _____								
Relinquished by: <u>T. Oberman</u>		Company: <u>Weston</u>		Date/Time: <u>2/2/2021 1450</u>		Received by: _____		Company: _____		Date/Time: _____				
Relinquished by: _____		Company: _____		Date/Time: _____		Received by: _____		Company: _____		Date/Time: _____				
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: <u>Ann Scott</u>		Company: <u>ETA-CHT</u>		Date/Time: <u>2/2/21 1450</u>				

Chain of Custody Record 423301 eurofins

Environment Test
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>Andris Slesers</u>		Site Contact: <u>T. Obermayr</u>		Date		COC No			
Company Name: <u>Weston</u>		Tel/Email:		Lab Contact: <u>R. Wright</u>		Carrier:		<u>2</u> of <u>2</u> COCs			
Address: <u>300 Plaza Circle</u>		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SVOCs Total Metals TCR/SRP Metals PH				Sampler For Lab Use Only Walk-in Client Lab Sampling Job / SDG No <u>500-19443P</u>			
City/State/Zip: <u>Mundelein IL 60060</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS									
Phone: <u>224-864-7201</u>		TAT if different from Below									
Fax:		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day									
Project Name:		Standard									
Site: <u>Richton Park</u>											
PO# <u>02056.016.014.0020</u>											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes				
4	CB-1(0-5)-020221	2/2/21	1205	G	S	6	X	X	X	X	
5	CB-1(5-10)-020221		1215								
6	CB-1(5-10)-020221D		1215								
7	VL7-2(0-4)-020221		1225								
8	VL7-2(4-8)-020221		1230								
9	VL7-2(8-13)-020221		1235								
10	VL7-1(0-2)-020221		1240								
11	VL6-1(0-2)-020221		1250								
12	VL6-2(0-2)-020221		1300								
13	VL6-3(0-2)-020221		1305								
14	VL6-4(0-5)-020221		1320								
15	VL6-4(0-5)-020221D	↓	1320	↓	↓	↓	↓	↓	↓	↓	
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-Hazardous <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: <u>Jane Bloman</u>		Company: <u>Weston</u>		Date/Time: <u>2/2/21 1450</u>		Received by:		Company:			
Relinquished by:		Company:		Date/Time:		Received by:		Company:			
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: <u>Jim Scott</u>		Company: <u>ETA ENT</u>			
								Date/Time: <u>2/2/21 1450</u>			



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 350: IL 50 (Cicero Ave) at Steger Rd Office Phone Number, if available: _____

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

5000 Block of W. Steger Road (ISGS SITE NO. 3069V-7)

City: University Park State: IL Zip Code: _____

County: Cook Township: _____

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

Latitude: 41.46916 Longitude: - 87.73237
(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.): 26

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 VL7-1 WAS SAMPLED ADJACENT TO ISGS SITE No. 3069V-7. 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: 500-194438-1.
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.

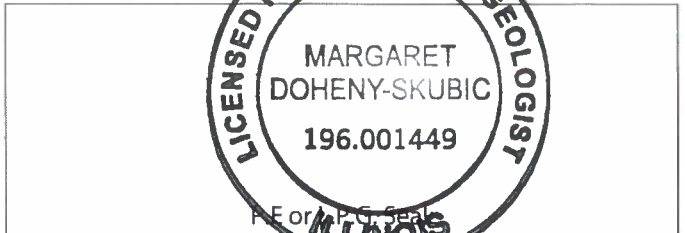
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Weston Solutions, Inc.
 Street Address: 300 Plaza Circle; Suite 202
 City: Mundelein State: IL Zip Code: 60060
 Phone: (224) 864-7200

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

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Apr 28, 2021
Date:



Summary Table of ISGS Site No. 3069V-7
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 350: IL 50 (Cicero Avenue) at Steger Road
Richton Park/University Park, Cook County, Illinois

Location	VL7-1	Soil Reference Concentrations ^A
Sample Date	2/2/2021	
Field Sample ID	VL7-1(0-2)-020221	
ISGS Site No.	3069V-007	
Laboratory pH	8.8	<6.25; >9.0
VOCs (mg/kg)		
Acetone	0.0079 J	25
SVOCs (mg/kg)	No Detections	
Total Metals (mg/kg)		
Antimony, Total	0.38 J	5
Arsenic, Total	8.3	11.3 / 13.0
Barium, Total	81	1500
Beryllium, Total	1.2	22
Cadmium, Total	1.1 B	5.2
Calcium, Total	21000 B	---
Chromium, Total	15	21
Cobalt, Total	15	20
Copper, Total	18	2900
Iron, Total	30000	15000 / 15900
Lead, Total	25	107
Magnesium, Total	12000	325000
Manganese, Total	490	630 / 636
Mercury, Total	0.025	0.89
Nickel, Total	48	100
Potassium, Total	2500 B	---
Sodium, Total	1700	---
Vanadium, Total	23	550
Zinc, Total	59	5100
TCLP Metals (mg/l)		
Arsenic, TCLP	ND	0.05
Barium, TCLP	0.51	2
Beryllium, TCLP	ND	0.004
Cadmium, TCLP	ND	0.005
Chromium, TCLP	ND	0.1
Cobalt, TCLP	0.011 J	1
Copper, TCLP	ND	0.65
Iron, TCLP	ND	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	3.6	0.15
Mercury, TCLP		0.002
Nickel, TCLP	0.02 J	0.1
Zinc, TCLP	ND	5
SPLP Metals (mg/l)		
Arsenic, SPLP	0.085	0.05
Barium, SPLP	0.64	2
Beryllium, SPLP	0.0084	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.17	0.1
Cobalt, SPLP	0.075	1
Copper, SPLP	0.21	0.65
Iron, SPLP	200	5
Lead, SPLP	0.12	0.0075
Manganese, SPLP	1.4 B	0.15
Mercury, SPLP	ND	0.002
Nickel, SPLP	0.3	0.1
Zinc, SPLP	ND	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: 500-194438-1

Client Project/Site: IDOT - IL Route 50 - WO 014

For:

Weston Solutions, Inc.
300 Plaza Circle, Suite 202
Mundelein, Illinois 60060

Attn: Mr. Andris Slesers

Jodie Bracken

Authorized for release by:
2/16/2021 1:50:06 PM

Jodie Bracken, Project Management Assistant II
Jodie.Bracken@Eurofinset.com

Designee for

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

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 - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL7-1(0-2)-020221

Lab Sample ID: 500-194438-10

Date Collected: 02/02/21 12:40

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.0015		0.0015	0.00052	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
1,1,2,2-Tetrachloroethane	<0.0015		0.0015	0.00049	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
1,1,2-Trichloroethane	<0.0015		0.0015	0.00066	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
1,1-Dichloroethane	<0.0015		0.0015	0.00053	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
1,1-Dichloroethene	<0.0015		0.0015	0.00053	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
1,2-Dichloroethane	<0.0039		0.0039	0.0012	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
1,2-Dichloropropane	<0.0015		0.0015	0.00040	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
1,3-Dichloropropene, Total	<0.0015		0.0015	0.00054	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
2-Hexanone	<0.0039		0.0039	0.0012	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Acetone	0.0079	J	0.015	0.0067	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Benzene	<0.0015		0.0015	0.00039	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Bromodichloromethane	<0.0015		0.0015	0.00031	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Bromoform	<0.0015		0.0015	0.00045	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Bromomethane	<0.0039		0.0039	0.0015	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Carbon disulfide	<0.0039		0.0039	0.00080	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Carbon tetrachloride	<0.0015		0.0015	0.00045	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Chlorobenzene	<0.0015		0.0015	0.00057	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Chloroethane	<0.0039		0.0039	0.0011	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Chloroform	<0.0015		0.0015	0.00054	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Chloromethane	<0.0039		0.0039	0.0016	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
cis-1,2-Dichloroethene	<0.0015		0.0015	0.00043	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
cis-1,3-Dichloropropene	<0.0015		0.0015	0.00047	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Dibromochloromethane	<0.0015		0.0015	0.00050	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Ethylbenzene	<0.0015		0.0015	0.00074	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Methyl Ethyl Ketone	<0.0039		0.0039	0.0017	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
methyl isobutyl ketone	<0.0039		0.0039	0.0011	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Methyl tert-butyl ether	<0.0015		0.0015	0.00045	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Methylene Chloride	<0.0039		0.0039	0.0015	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Styrene	<0.0015		0.0015	0.00047	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Tetrachloroethene	<0.0015		0.0015	0.00053	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Toluene	<0.0015		0.0015	0.00039	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
trans-1,2-Dichloroethene	<0.0015		0.0015	0.00068	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
trans-1,3-Dichloropropene	<0.0015		0.0015	0.00054	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Trichloroethene	<0.0015		0.0015	0.00052	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Vinyl chloride	<0.0015		0.0015	0.00068	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1
Xylenes, Total	<0.0031		0.0031	0.00049	mg/Kg	☼	02/02/21 17:40	02/08/21 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	02/02/21 17:40	02/08/21 19:40	1
4-Bromofluorobenzene (Surr)	88		75 - 131	02/02/21 17:40	02/08/21 19:40	1
Dibromofluoromethane	100		75 - 126	02/02/21 17:40	02/08/21 19:40	1
Toluene-d8 (Surr)	89		75 - 124	02/02/21 17:40	02/08/21 19:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	02/05/21 19:57	02/08/21 12:55	1
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	02/05/21 19:57	02/08/21 12:55	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	02/05/21 19:57	02/08/21 12:55	1
1,4-Dichlorobenzene	<0.19		0.19	0.049	mg/Kg	☼	02/05/21 19:57	02/08/21 12:55	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	02/05/21 19:57	02/08/21 12:55	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
 Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL7-1(0-2)-020221

Lab Sample ID: 500-194438-10

Date Collected: 02/02/21 12:40

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.38		0.38	0.087	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
2,4-Dinitrophenol	<0.77		0.77	0.67	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
2,6-Dinitrotoluene	<0.19		0.19	0.075	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
2-Chlorophenol	<0.19		0.19	0.065	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
2-Methylnaphthalene	<0.077		0.077	0.0070	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
2-Nitrophenol	<0.38		0.38	0.090	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
4,6-Dinitro-2-methylphenol	<0.77		0.77	0.31	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
4-Chloroaniline	<0.77		0.77	0.18	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
4-Nitrophenol	<0.77		0.77	0.36	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Benzo[a]anthracene	<0.038		0.038	0.0051	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Benzo[a]pyrene	<0.038		0.038	0.0073	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Benzo[b]fluoranthene	<0.038		0.038	0.0082	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Benzo[g,h,i]perylene	<0.038		0.038	0.012	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Benzo[k]fluoranthene	<0.038		0.038	0.011	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Carbazole	<0.19		0.19	0.095	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Chrysene	<0.038		0.038	0.010	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Dimethyl phthalate	<0.19		0.19	0.050	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Fluoranthene	<0.038		0.038	0.0070	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Hexachlorobenzene	<0.077		0.077	0.0088	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Hexachlorobutadiene	<0.19		0.19	0.060	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Hexachlorocyclopentadiene	<0.77		0.77	0.22	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1
Hexachloroethane	<0.19		0.19	0.058	mg/Kg	☆	02/05/21 19:57	02/08/21 12:55	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL7-1(0-2)-020221

Lab Sample ID: 500-194438-10

Date Collected: 02/02/21 12:40

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 84.8

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	<0.038		0.038	0.0098	mg/Kg	☼	02/05/21 19:57	02/08/21 12:55	1
Isophorone	<0.19		0.19	0.043	mg/Kg	☼	02/05/21 19:57	02/08/21 12:55	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	02/05/21 19:57	02/08/21 12:55	1
Nitrobenzene	<0.038		0.038	0.0095	mg/Kg	☼	02/05/21 19:57	02/08/21 12:55	1
N-Nitrosodi-n-propylamine	<0.077		0.077	0.046	mg/Kg	☼	02/05/21 19:57	02/08/21 12:55	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	02/05/21 19:57	02/08/21 12:55	1
Pentachlorophenol	<0.77		0.77	0.61	mg/Kg	☼	02/05/21 19:57	02/08/21 12:55	1
Phenanthrene	<0.038		0.038	0.0053	mg/Kg	☼	02/05/21 19:57	02/08/21 12:55	1
Phenol	<0.19		0.19	0.084	mg/Kg	☼	02/05/21 19:57	02/08/21 12:55	1
Pyrene	<0.038		0.038	0.0075	mg/Kg	☼	02/05/21 19:57	02/08/21 12:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	77		31 - 143	02/05/21 19:57	02/08/21 12:55	1
2-Fluorobiphenyl	86		43 - 145	02/05/21 19:57	02/08/21 12:55	1
2-Fluorophenol	68		31 - 166	02/05/21 19:57	02/08/21 12:55	1
Nitrobenzene-d5	76		37 - 147	02/05/21 19:57	02/08/21 12:55	1
Phenol-d5	69		30 - 153	02/05/21 19:57	02/08/21 12:55	1
Terphenyl-d14	95		42 - 157	02/05/21 19:57	02/08/21 12:55	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		02/09/21 16:44	02/10/21 17:30	1
Barium	0.51		0.50	0.050	mg/L		02/09/21 16:44	02/10/21 17:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		02/09/21 16:44	02/10/21 17:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/09/21 16:44	02/10/21 17:30	1
Chromium	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:30	1
Cobalt	0.011	J	0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:30	1
Copper	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:30	1
Iron	<0.40		0.40	0.20	mg/L		02/09/21 16:44	02/10/21 17:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		02/09/21 16:44	02/10/21 17:30	1
Manganese	3.6		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:30	1
Nickel	0.020	J	0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:30	1
Selenium	<0.050		0.050	0.020	mg/L		02/09/21 16:44	02/10/21 17:30	1
Silver	<0.025		0.025	0.010	mg/L		02/09/21 16:44	02/10/21 17:30	1
Zinc	<0.50		0.50	0.020	mg/L		02/09/21 16:44	02/10/21 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.085		0.050	0.010	mg/L		02/09/21 16:47	02/10/21 18:41	1
Barium	0.64		0.50	0.050	mg/L		02/09/21 16:47	02/10/21 18:41	1
Beryllium	0.0084		0.0040	0.0040	mg/L		02/09/21 16:47	02/10/21 18:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		02/09/21 16:47	02/10/21 18:41	1
Chromium	0.17		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:41	1
Cobalt	0.075		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:41	1
Copper	0.21		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:41	1
Iron	200		0.40	0.20	mg/L		02/09/21 16:47	02/10/21 18:41	1
Lead	0.12		0.0075	0.0075	mg/L		02/09/21 16:47	02/10/21 18:41	1
Manganese	1.4	B	0.025	0.010	mg/L		02/11/21 10:01	02/11/21 14:40	1
Nickel	0.30		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:41	1
Selenium	<0.050		0.050	0.020	mg/L		02/09/21 16:47	02/10/21 18:41	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Client Sample ID: VL7-1(0-2)-020221

Lab Sample ID: 500-194438-10

Date Collected: 02/02/21 12:40

Matrix: Solid

Date Received: 02/02/21 14:50

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		02/09/21 16:47	02/10/21 18:41	1
Zinc	0.47	J B *+	0.50	0.020	mg/L		02/09/21 16:47	02/10/21 18:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.38	J	1.2	0.22	mg/Kg	☆	02/08/21 17:24	02/09/21 23:24	1
Arsenic	8.3		0.58	0.20	mg/Kg	☆	02/08/21 17:24	02/09/21 23:24	1
Barium	81		2.9	0.33	mg/Kg	☆	02/08/21 17:24	02/10/21 16:28	5
Beryllium	1.2		1.2	0.27	mg/Kg	☆	02/08/21 17:24	02/10/21 16:28	5
Cadmium	1.1	B	0.12	0.021	mg/Kg	☆	02/08/21 17:24	02/09/21 23:24	1
Calcium	21000	B	58	9.7	mg/Kg	☆	02/08/21 17:24	02/10/21 16:28	5
Chromium	15		0.58	0.28	mg/Kg	☆	02/08/21 17:24	02/09/21 23:24	1
Cobalt	15		0.29	0.075	mg/Kg	☆	02/08/21 17:24	02/09/21 23:24	1
Copper	18		0.58	0.16	mg/Kg	☆	02/08/21 17:24	02/09/21 23:24	1
Iron	30000		58	30	mg/Kg	☆	02/08/21 17:24	02/10/21 16:28	5
Lead	25		0.29	0.13	mg/Kg	☆	02/08/21 17:24	02/09/21 23:24	1
Magnesium	12000		29	14	mg/Kg	☆	02/08/21 17:24	02/10/21 16:28	5
Manganese	490		2.9	0.42	mg/Kg	☆	02/08/21 17:24	02/10/21 16:28	5
Nickel	48		0.58	0.17	mg/Kg	☆	02/08/21 17:24	02/09/21 23:24	1
Potassium	2500	B	140	51	mg/Kg	☆	02/08/21 17:24	02/10/21 16:28	5
Selenium	<0.58		0.58	0.34	mg/Kg	☆	02/08/21 17:24	02/09/21 23:24	1
Silver	0.16	J B	0.29	0.074	mg/Kg	☆	02/08/21 17:24	02/09/21 23:24	1
Sodium	1700		290	43	mg/Kg	☆	02/08/21 17:24	02/10/21 16:28	5
Thallium	<0.58		0.58	0.29	mg/Kg	☆	02/08/21 17:24	02/09/21 23:24	1
Vanadium	23		0.29	0.068	mg/Kg	☆	02/08/21 17:24	02/09/21 23:24	1
Zinc	59		1.2	0.50	mg/Kg	☆	02/08/21 17:24	02/09/21 23:24	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		02/09/21 11:55	02/10/21 09:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		02/10/21 09:40	02/11/21 09:28	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.0064	mg/Kg	☆	02/05/21 13:45	02/08/21 08:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.8		0.2	0.2	SU			02/05/21 16:10	1

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^2	Calibration Blank is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Eurofins TestAmerica, Chicago

Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - IL Route 50 - WO 014

Job ID: 500-194438-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-21

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Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact Company Name: <u>Weston</u> Address: <u>300 Plaza Circle</u> City/State/Zip: <u>Mundelein IL 60060</u> Phone: <u>224-864-7201</u> Fax: _____ Project Name: _____ Site: <u>Richton Park</u> PO #: <u>02056.016 014.0020</u>		Project Manager: <u>A. Slesers</u> Tel/Email: _____ Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below <input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact: <u>T. Oberman</u> Lab Contact: <u>K. Wright</u> Date: _____ Carrier: _____ COC No: _____ of <u>2</u> COCs		Sampler: _____ For Lab Use Only Walk in Client: _____ Lab Sampling: _____ Job / SDG No: <u>500-194438</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	SVOCs	Total Metals	TCLP/SPLP Metals	PH	500-194438 COC	Sample Specific Notes
1	VL6-4(5-10)-020221	2/2/21	1325	G	S	6			X	X	X	X	X		
2	VL3-1(0-5)-020221	↓	1335	↓	↓	↓			↓	↓	↓	↓	↓		
3	VL3-1(5-11)-020221	↓	1340	↓	↓	↓			↓	↓	↓	↓	↓		
Duplicate of sample 2/2/2021															
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other							Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input 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: 8.8 → 8.6, 5.4 → 3.4							Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months								
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temp (°C) Obs'd _____ Cor'd _____		Therm ID No _____									
Relinquished by: <u>T. Oberman</u>		Company: <u>Weston</u>		Date/Time: <u>2/2/2021 1450</u>		Received by: _____		Company: _____		Date/Time: _____					
Relinquished by: _____		Company: _____		Date/Time: _____		Received by: _____		Company: _____		Date/Time: _____					
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: <u>Ann Scott</u>		Company: <u>ETA-CHT</u>		Date/Time: <u>2/2/21 1450</u>					

Chain of Custody Record 423301

Environment Test
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: <u>Andris Slesers</u>		Site Contact: <u>T. Oberman</u>		Date		COC No		
Company Name: <u>Weston</u>		Tel/Email:		Lab Contact: <u>R. Wright</u>		Carrier:		<u>2</u> of <u>2</u> COCs		
Address: <u>300 Plaza Circle</u>		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS/MSD (Y/N) VOCs SVOCs Total Metals TCR/SRP Metals PH				Sampler For Lab Use Only Walk-in Client Lab Sampling Job / SDG No <u>500-19443P</u>		
City/State/Zip: <u>Mundelein IL 60060</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS								
Phone: <u>224-864-7201</u>		TAT if different from Below								
Fax:		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day								
Project Name:		Standard								
Site: <u>Richton Park</u>										
PO# <u>02056.016.014.0020</u>										
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes			
4	CB-1(0-5)-020221	2/2/21	1205	G	S	6	X	X	X	X
5	CB-1(5-10)-020221		1215							
6	CB-1(5-10)-020221D		1215							
7	VL7-2(0-4)-020221		1225							
8	VL7-2(4-8)-020221		1230							
9	VL7-2(8-13)-020221		1235							
10	VL7-1(0-2)-020221		1240							
11	VL6-1(0-2)-020221		1250							
12	VL6-2(0-2)-020221		1300							
13	VL6-3(0-2)-020221		1305							
14	VL6-4(0-5)-020221		1320							
15	VL6-4(0-5)-020221D	↓	1320	↓	↓	↓	↓	↓	↓	↓
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-Hazardous <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: <u>Jane Oberman</u>		Company: <u>Weston</u>		Date/Time: <u>2/2/21 1450</u>		Received by:		Company:		
Relinquished by:		Company:		Date/Time:		Received by:		Company:		
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: <u>Jim Scott</u>		Company: <u>ETA</u> Date/Time: <u>2/2/21 1450</u>		